

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055066.D
 Acq On : 16 Apr 2019 1:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:09 AM

Quant Time: Apr 16 07:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	379135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	637013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	255857	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.59	113	207853	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	766574	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	266789	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	211766	49.148	ug/l	99
3) Chloromethane	2.06	50	278385	49.536	ug/l	99
4) Vinyl Chloride	2.19	62	229330	48.550	ug/l	99
5) Bromomethane	2.55	94	125830	47.088	ug/l	99
6) Chloroethane	2.70	64	126851	49.798	ug/l	96
7) Trichlorofluoromethane	3.02	101	284885	48.225	ug/l	100
8) Diethyl Ether	3.41	74	92261	48.927	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	144881	46.864	ug/l	99
10) Methyl Iodide	3.94	142	225440	46.991	ug/l	99
11) Tert butyl alcohol	4.82	59	58820	212.930	ug/l	99
12) 1,1-Dichloroethene	3.73	96	143214	47.592	ug/l	96
13) Acrolein	3.61	56	76942	225.340	ug/l	100
14) Allyl chloride	4.31	41	366372	49.739	ug/l	100
15) Acrylonitrile	4.99	53	414243	250.639	ug/l	99
16) Acetone	3.82	43	255854	187.048	ug/l	99
17) Carbon Disulfide	4.04	76	452934	46.627	ug/l	99
18) Methyl Acetate	4.33	43	200937	50.978	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	546103	50.731	ug/l	99
20) Methylene Chloride	4.54	84	227930	47.402	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	202038	49.641	ug/l	93
22) Diisopropyl ether	5.96	45	784142	51.785	ug/l	99
23) Vinyl Acetate	5.90	43	2741316	273.892	ug/l	99
24) 1,1-Dichloroethane	5.84	63	407598	50.548	ug/l	99
25) 2-Butanone	6.84	43	488884	239.473	ug/l	99
26) 2,2-Dichloropropane	6.82	77	229258	45.047	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	232882	50.577	ug/l	98
28) Bromochloromethane	7.19	49	193048	49.665	ug/l	100
29) Tetrahydrofuran	7.22	42	329168	245.877	ug/l	99
30) Chloroform	7.37	83	392424	50.102	ug/l	99
31) Cyclohexane	7.65	56	368939	51.797	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	319079	51.419	ug/l	99
36) 1,1-Dichloropropene	7.79	75	284076	47.306	ug/l	99
37) Ethyl Acetate	6.94	43	221198	45.246	ug/l	99
38) Carbon Tetrachloride	7.77	117	265769	46.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	301108	46.273	ug/l	98
40) Benzene	8.04	78	882783	48.777	ug/l	99
41) Methacrylonitrile	7.18	41	141211	52.035	ug/l	94
42) 1,2-Dichloroethane	8.12	62	304695	48.490	ug/l	99
43) Isopropyl Acetate	8.17	43	375557	49.855	ug/l	99
44) Trichloroethene	8.83	130	224112	49.438	ug/l	97
45) 1,2-Dichloropropane	9.12	63	246778	48.892	ug/l	98
46) Dibromomethane	9.21	93	139098	48.417	ug/l	97
47) Bromodichloromethane	9.40	83	291462	49.207	ug/l	98
48) Methyl methacrylate	9.20	41	190940	51.139	ug/l	99
49) 1,4-Dioxane	9.20	88	31975	914.069	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1083110	248.877	ug/l	100
52) Toluene	10.15	92	524639	50.613	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	271867	52.521	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	338338	52.663	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	197229	49.385	ug/l	99
56) Ethyl methacrylate	10.43	69	261486	54.557	ug/l	99
57) 1,3-Dichloropropane	10.71	76	342748	50.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	492868	234.806	ug/l	99
59) 2-Hexanone	10.75	43	670945	245.457	ug/l	100
60) Dibromochloromethane	10.90	129	201396	51.643	ug/l	100
61) 1,2-Dibromoethane	11.00	107	186336	50.692	ug/l	98
64) Tetrachloroethene	10.63	164	208597	45.723	ug/l	96
65) Chlorobenzene	11.43	112	547479	48.478	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	205193	49.401	ug/l	100
67) Ethyl Benzene	11.51	91	992092	49.192	ug/l	100
68) m/p-Xylenes	11.62	106	738529	101.126	ug/l	100
69) o-Xylene	11.95	106	363127	51.337	ug/l	100
70) Styrene	11.96	104	615061	53.718	ug/l	100
71) Bromoform	12.13	173	126094	52.963	ug/l #	100
73) Isopropylbenzene	12.25	105	946551	42.707	ug/l	100
74) N-amyl acetate	12.07	43	308493	49.444	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	244395	41.209	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	197273m	43.921	ug/l	
77) Bromobenzene	12.53	156	241291	43.668	ug/l	98
78) n-propylbenzene	12.59	91	1063285	44.402	ug/l	100
79) 2-Chlorotoluene	12.67	91	660009	44.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792760	44.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49579	44.141	ug/l	97
82) 4-Chlorotoluene	12.77	91	642409	46.100	ug/l	98
83) tert-Butylbenzene	12.99	119	670123	44.363	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	791769	46.710	ug/l	100
85) sec-Butylbenzene	13.17	105	856884	44.519	ug/l	100
86) p-Isopropyltoluene	13.29	119	759555	45.997	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399162	47.526	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	384609	48.022	ug/l	99
89) n-Butylbenzene	13.61	91	613687	50.061	ug/l	100
90) Hexachloroethane	13.87	117	120664	44.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	391568	46.338	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32734	44.822	ug/l	90

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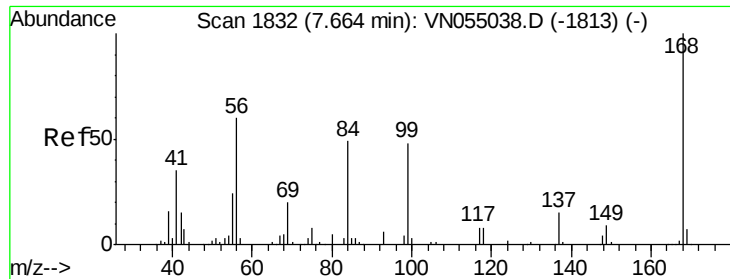
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	176915	46.389	ug/l	99
94) Hexachlorobutadiene	15.01	225	122435	46.909	ug/l	99
95) Naphthalene	15.13	128	392469	44.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	178908	54.881	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tot Ion: 168 Resp: 379135

Ion Ratio Lower Upper

168 100

99 52.8 41.9 62.9

Instrument :

MSVOA_N

ClientSampleId :

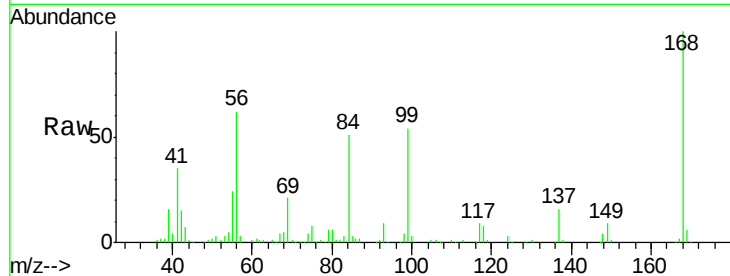
VSTDCCC050EC

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

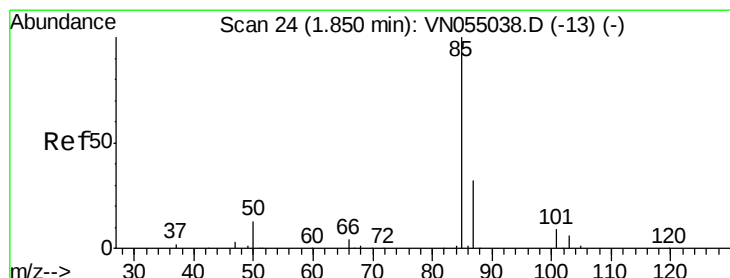
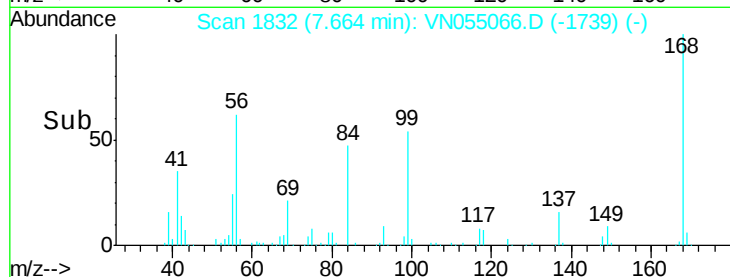
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 49.148 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055066.D

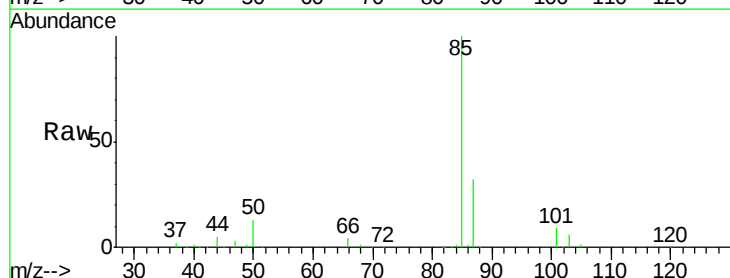
Acq: 16 Apr 2019 1:44

Tgt Ion: 85 Resp: 211766

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

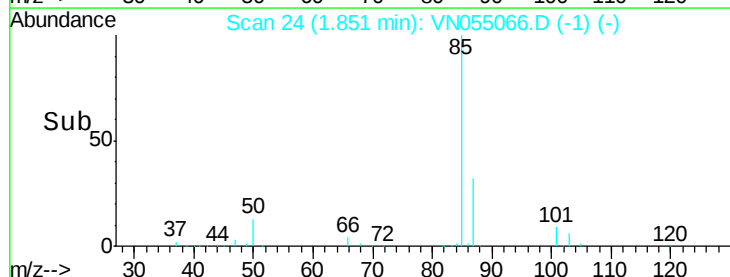
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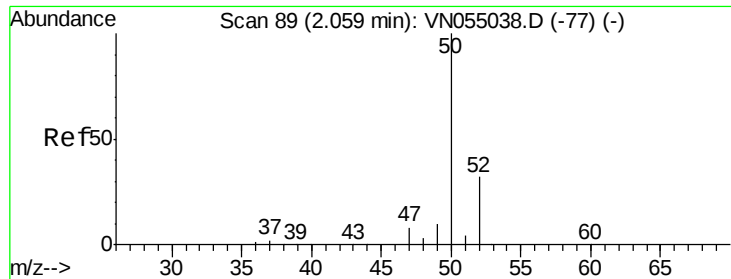
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 49.536 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tot Ion: 50 Resp: 278385

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0

Instrument :

MSVOA_N

ClientSampleId :

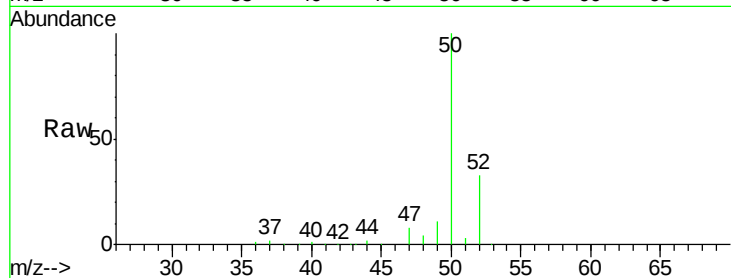
VSTDCCC050EC

Manual Integrations

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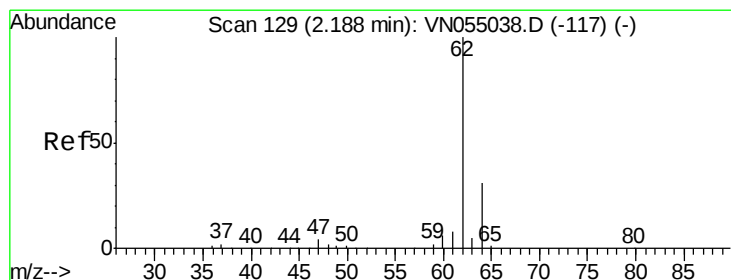
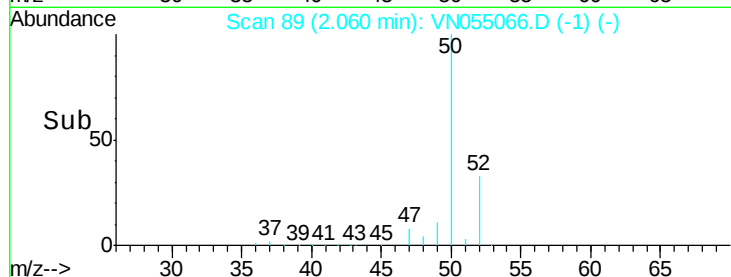
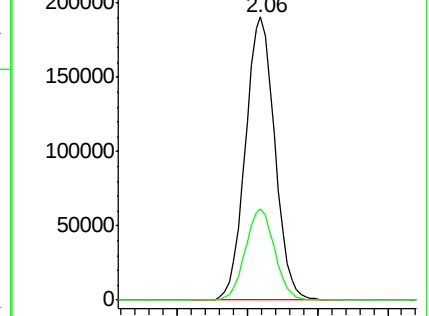
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.550 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055066.D

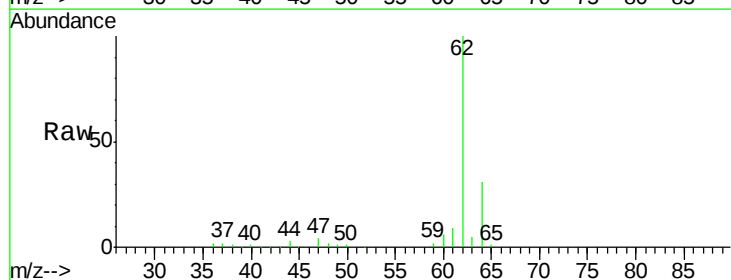
Acq: 16 Apr 2019 1:44

Tgt Ion: 62 Resp: 229330

Ion Ratio Lower Upper

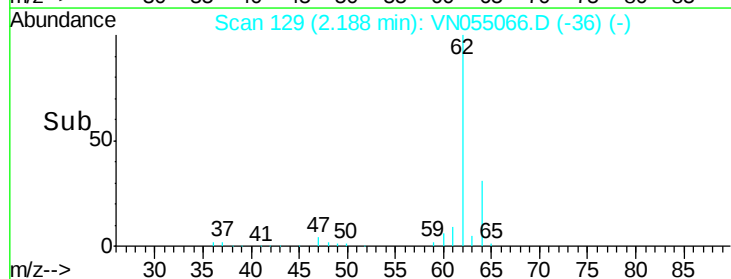
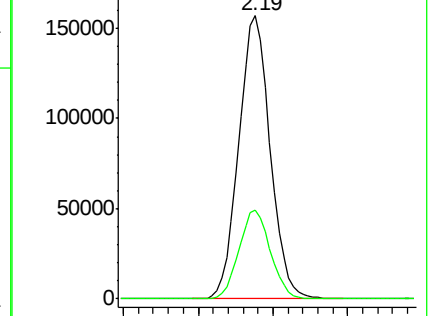
62 100

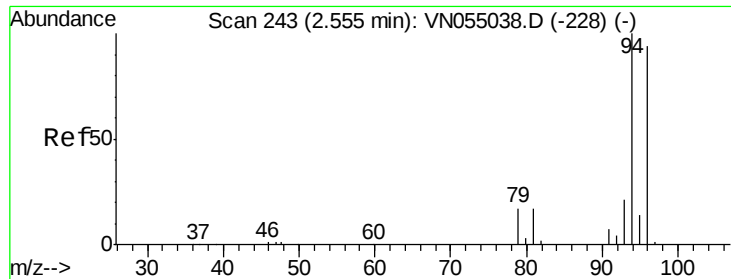
64 31.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.088 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 125830

Ion Ratio Lower Upper

94 100

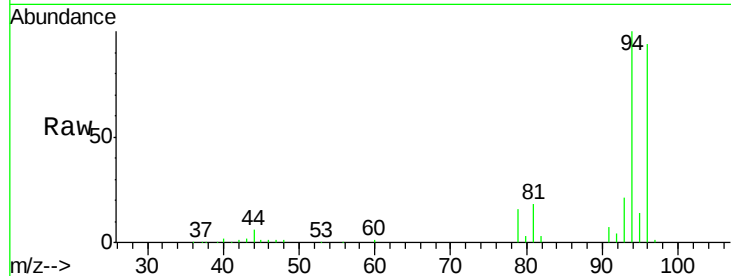
96 94.1 76.2 114.4

Manual Integrations

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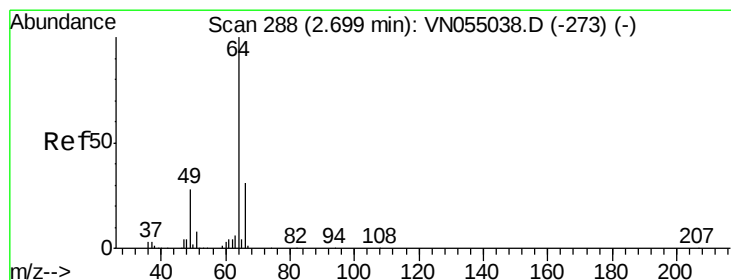
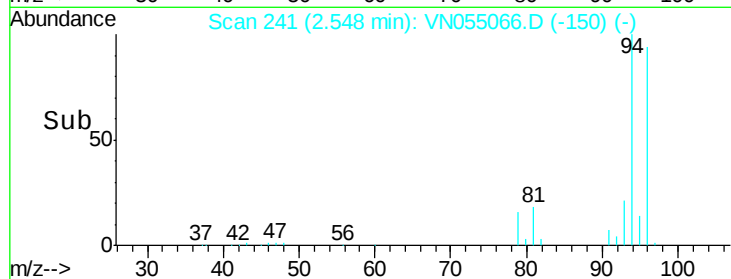
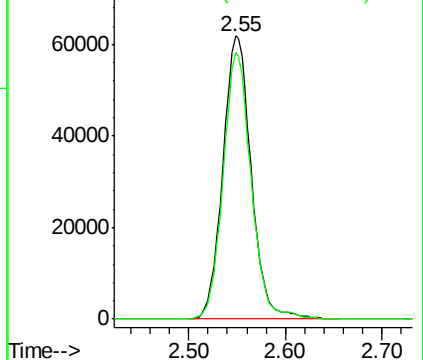
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.798 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055066.D

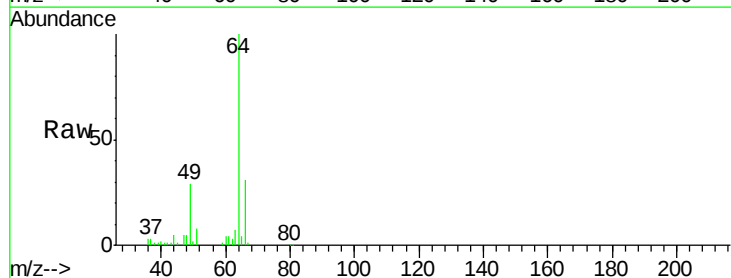
Acq: 16 Apr 2019 1:44

Tgt Ion: 64 Resp: 126851

Ion Ratio Lower Upper

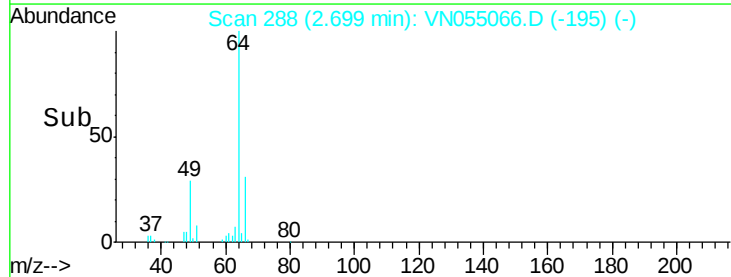
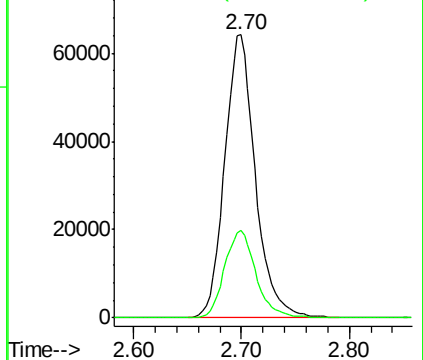
64 100

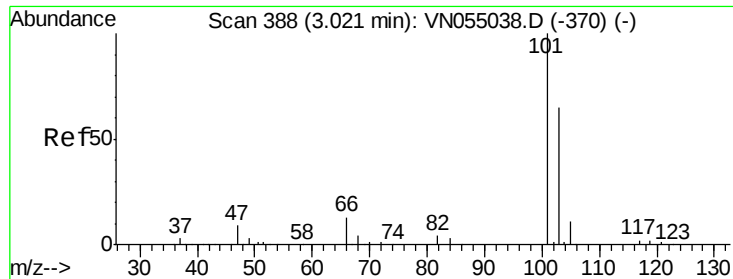
66 30.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

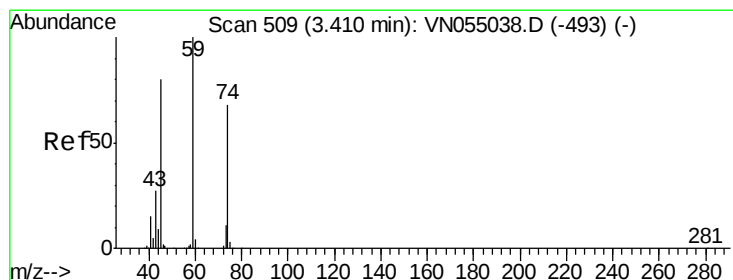
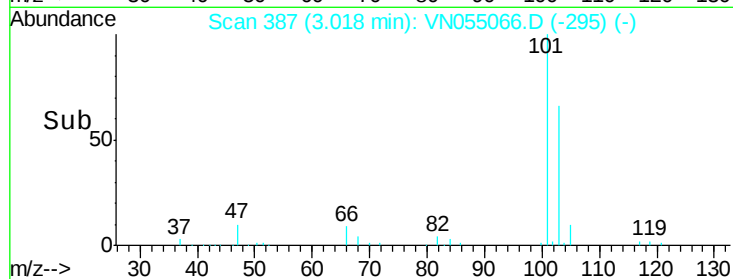
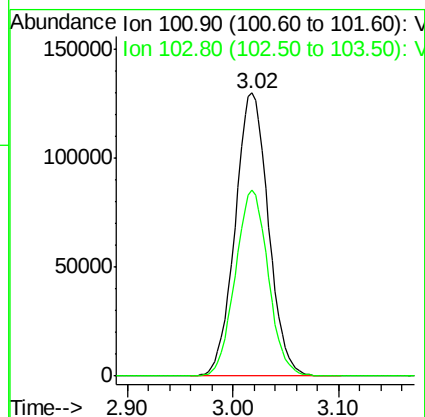
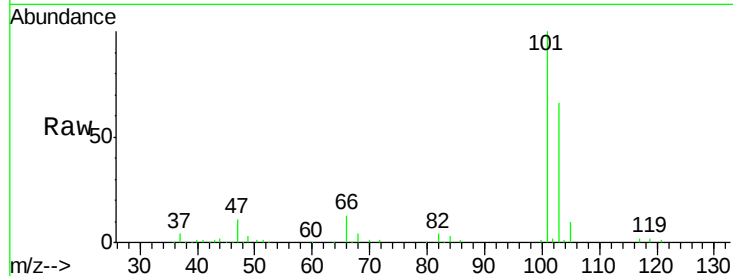
Trichlorofluoromethane
Concen: 48.225 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

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VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		284885		
103	65.5	52.5	78.7		

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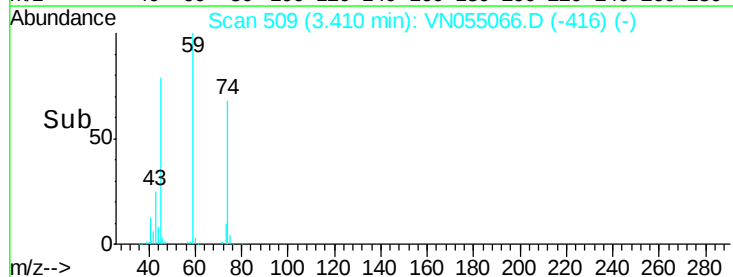
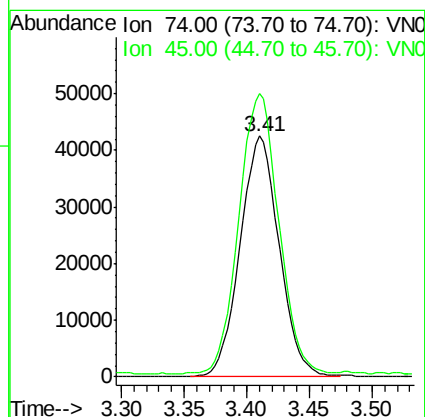
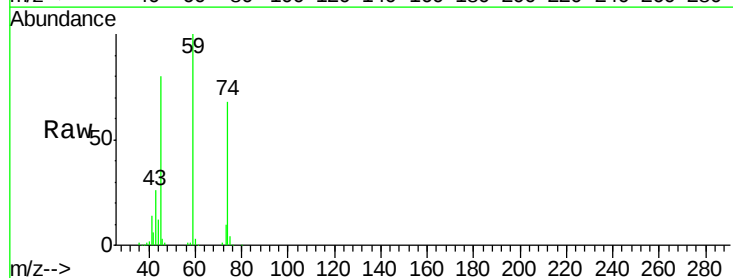
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4/17/2019 10:06:09 AM

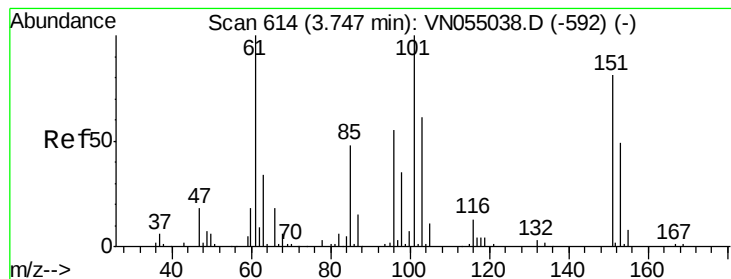


#8

Diethyl Ether
Concen: 48.927 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		92261		
45	118.5	55.7	167.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.864 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

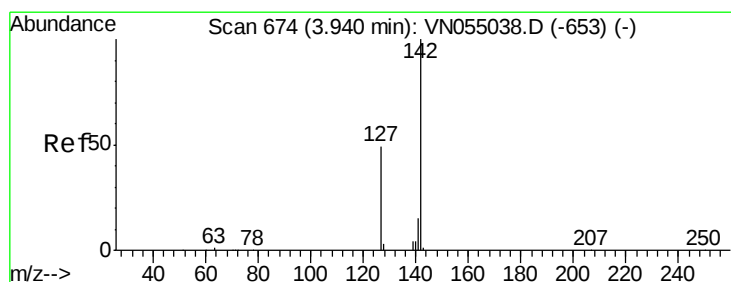
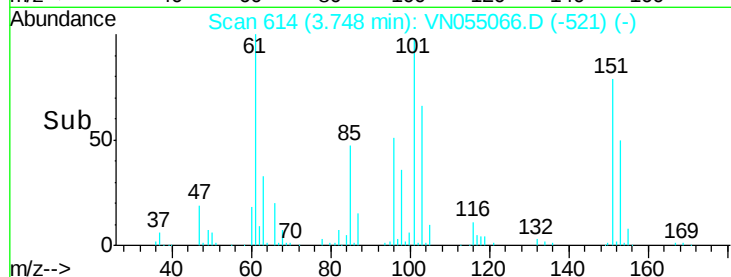
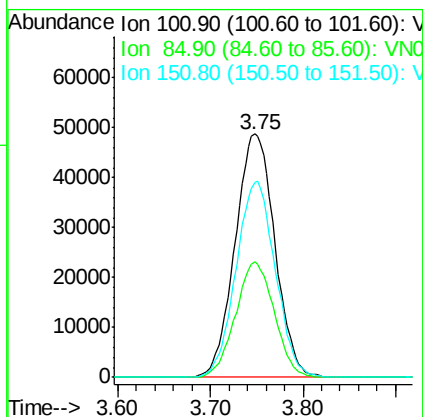
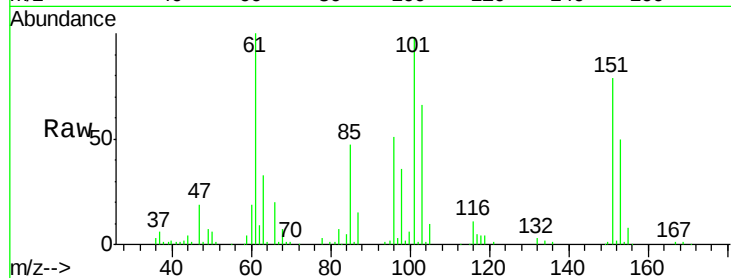
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144881
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.9	55.3
151	79.5	64.4	96.6

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4/17/2019 10:06:09 AM



#10

Methyl Iodide

Concen: 46.991 ug/l

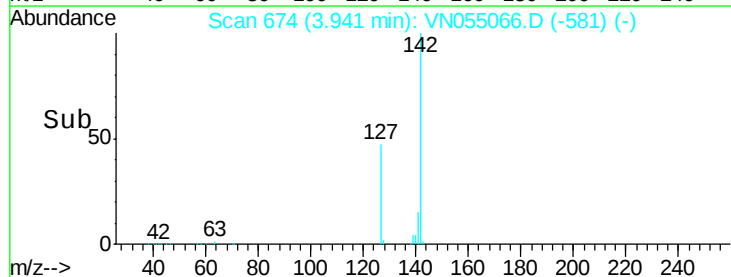
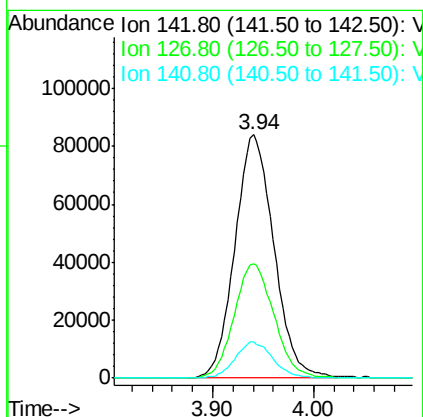
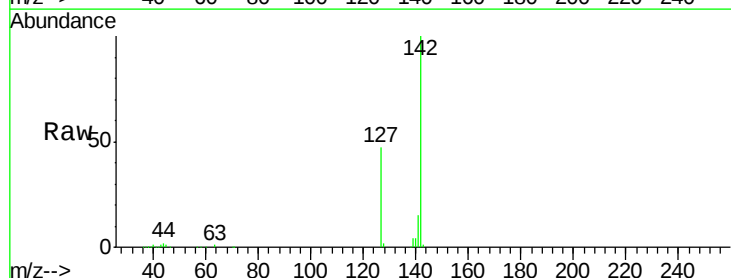
RT: 3.94 min Scan# 674

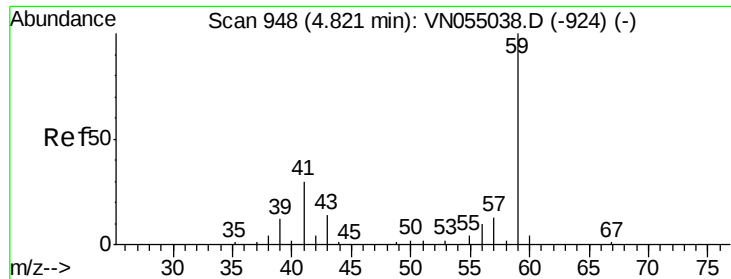
Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion:	142	Resp:	225440
Ion Ratio	Lower	Upper	
142	100		
127	48.0	37.9	56.9
141	14.6	11.8	17.8





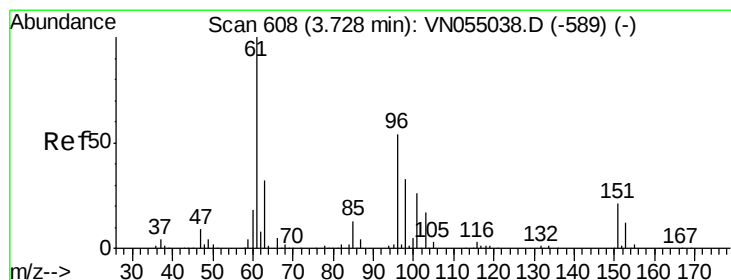
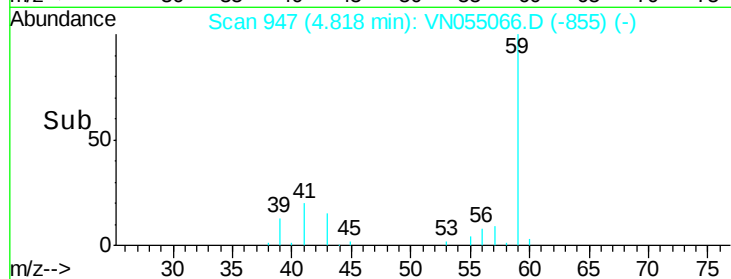
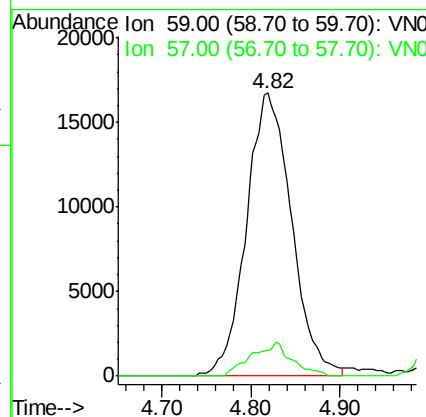
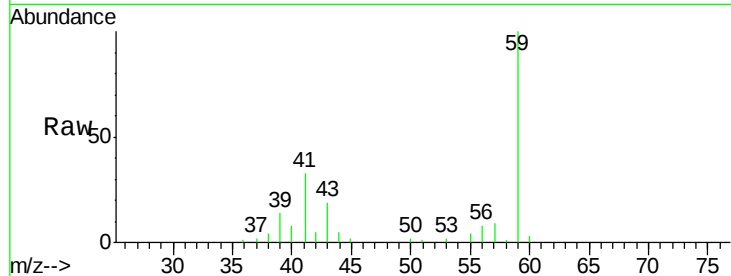
#11
Tert butyl alcohol
Concen: 212.930 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.7	Resp	58820	Lower	Upper
Ion	59	57	Ratio	100	10.7	Resp	58820	Lower	Upper
								8.3	12.5

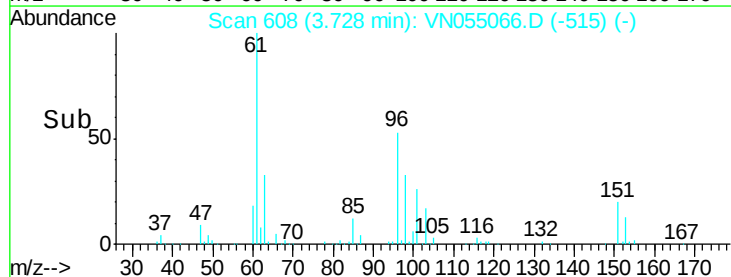
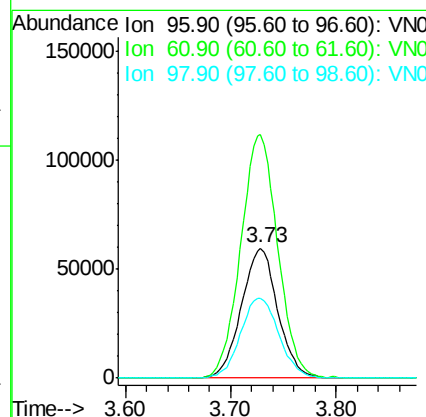
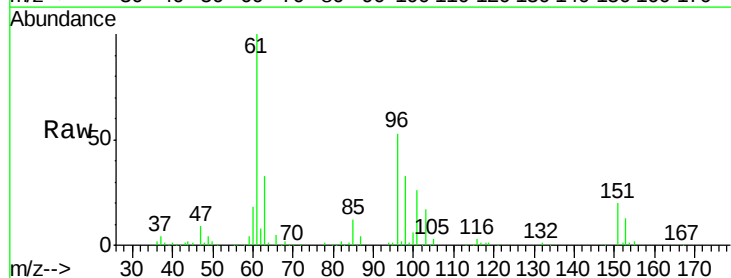
Manual Integrations
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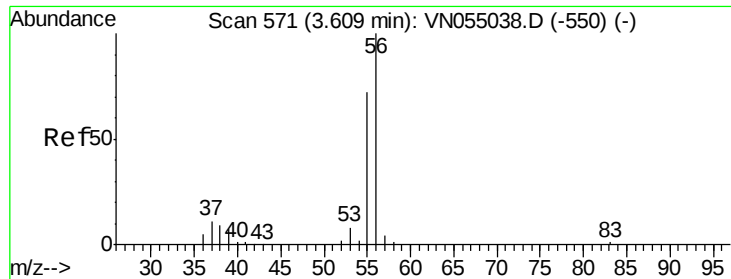
MMDadoda
4/17/2019 10:06:09 AM



#12
1,1-Dichloroethene
Concen: 47.592 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	96	61	98	Ratio	100	187.1	61.3	Resp	143214	Lower	Upper
Ion	96	61	98	Ratio	100	187.1	61.3	Resp	143214	Lower	Upper
										154.2	231.4
										52.9	79.3





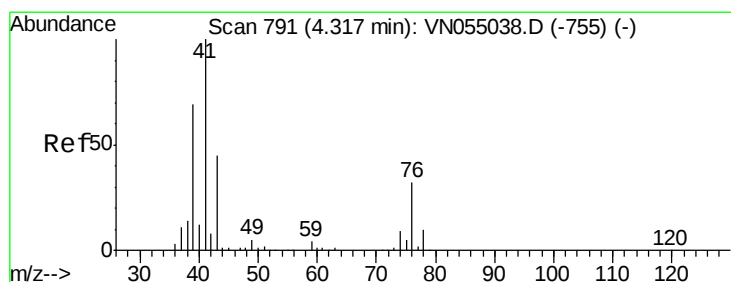
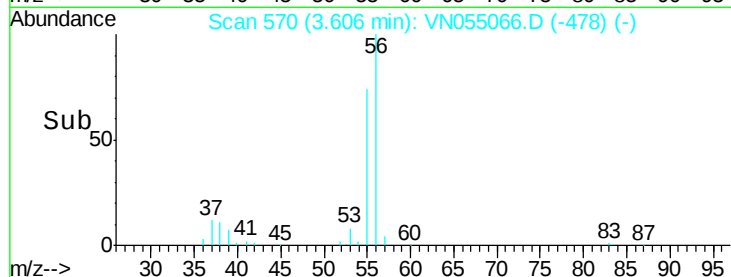
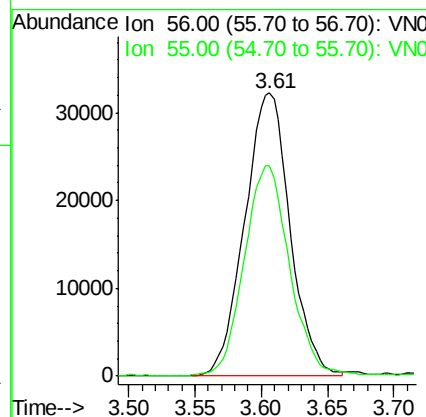
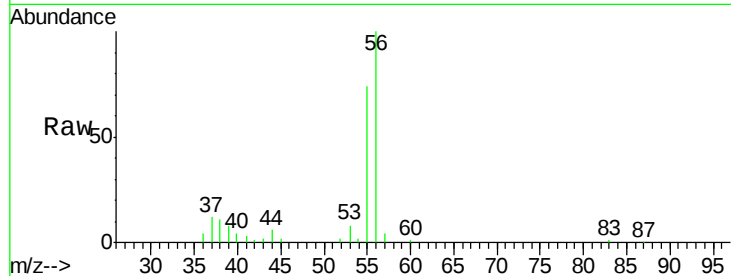
#13
Acrolein
Concen: 225.340 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	76942
Ion Ratio	100	Lower	Upper
56	100		
55	74.4	59.5	89.3

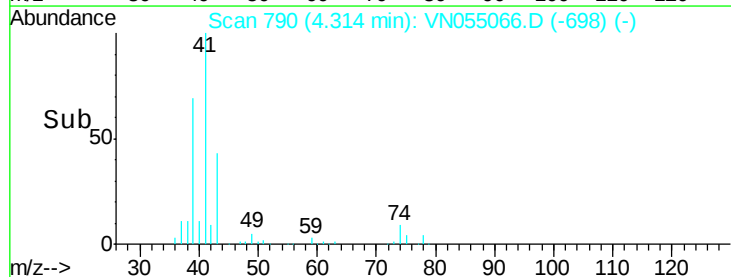
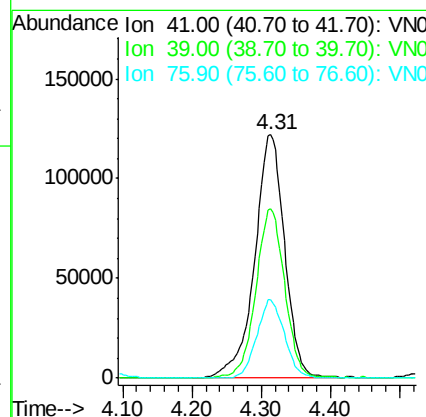
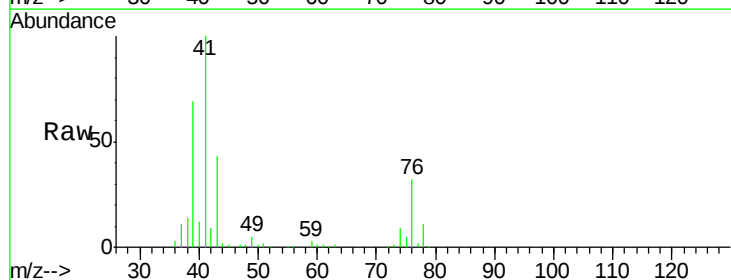
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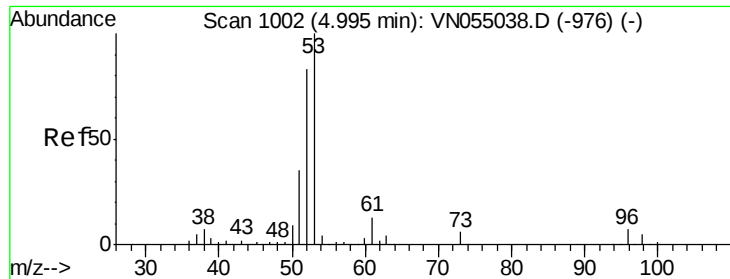
MMDadoda
4/17/2019 10:06:09 AM



#14
Allyl chloride
Concen: 49.739 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	41	Resp	366372
Ion Ratio	100	Lower	Upper
41	100		
39	66.0	52.7	79.1
76	29.6	23.2	34.8





#15

Acrylonitrile

Concen: 250.639 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

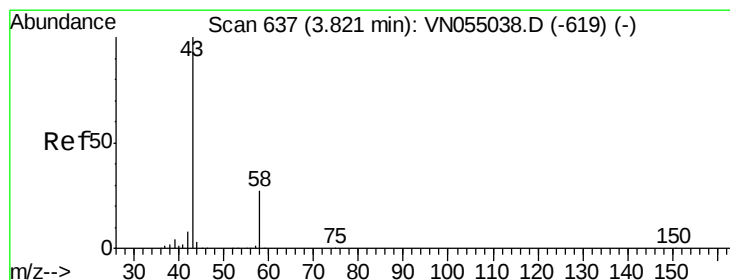
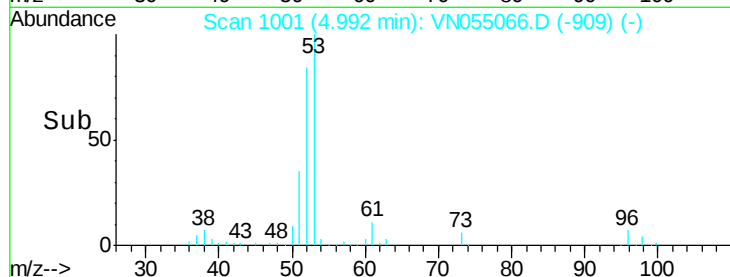
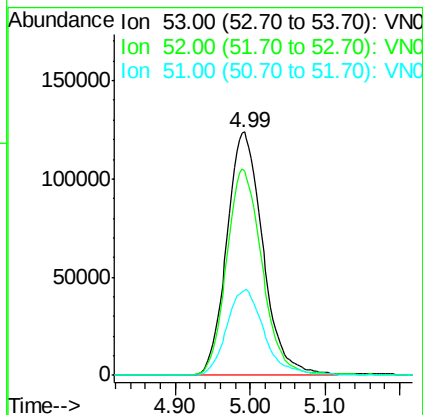
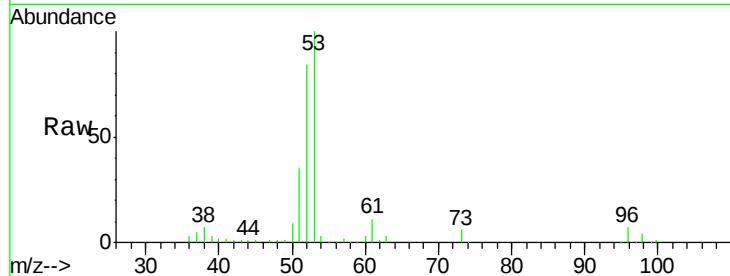
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	414243
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.9	98.9
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 187.048 ug/l

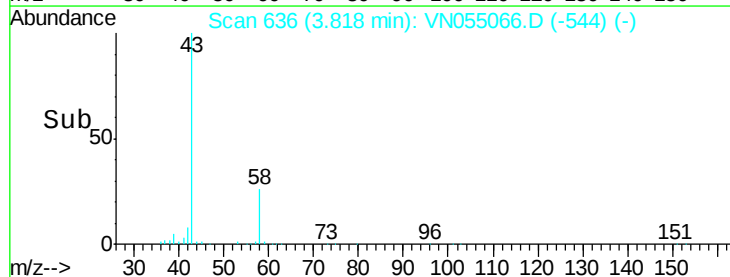
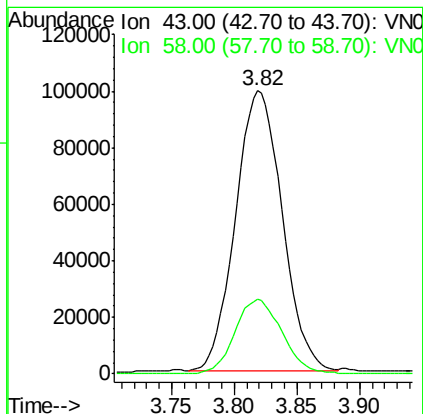
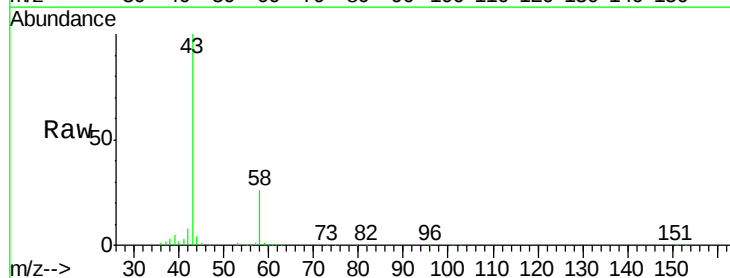
RT: 3.82 min Scan# 636

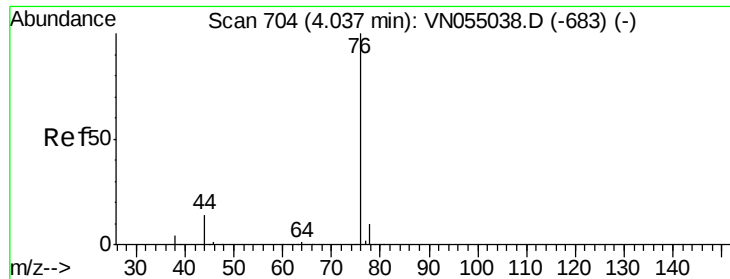
Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion:	43	Resp:	255854
Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.9	31.3





#17

Carbon Disulfide

Concen: 46.627 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 452934

Ion Ratio Lower Upper

76 100

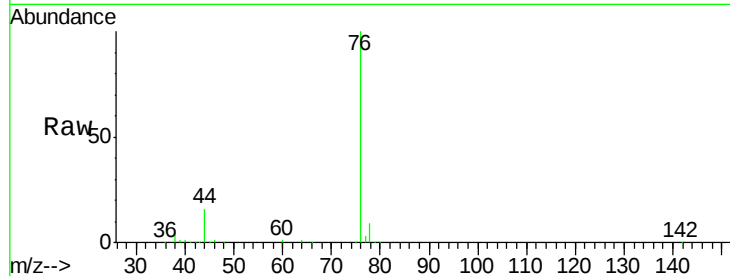
78 9.3 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

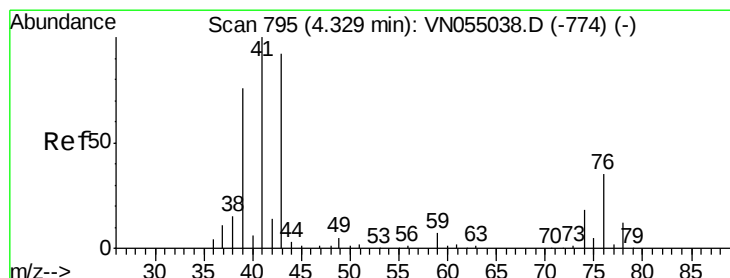
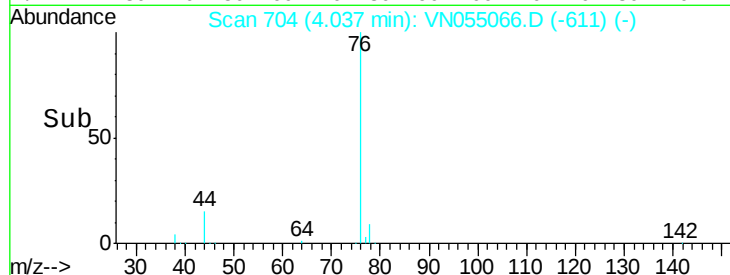
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 50.978 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055066.D

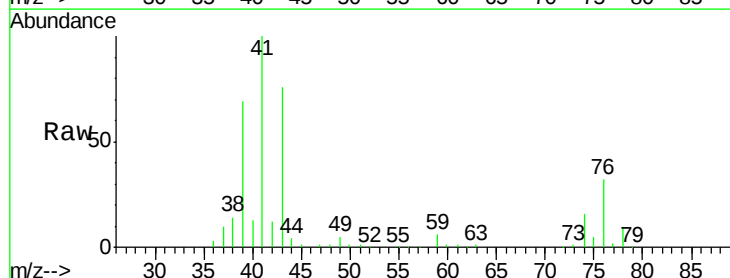
Acq: 16 Apr 2019 1:44

Tgt Ion: 43 Resp: 200937

Ion Ratio Lower Upper

43 100

74 20.6 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

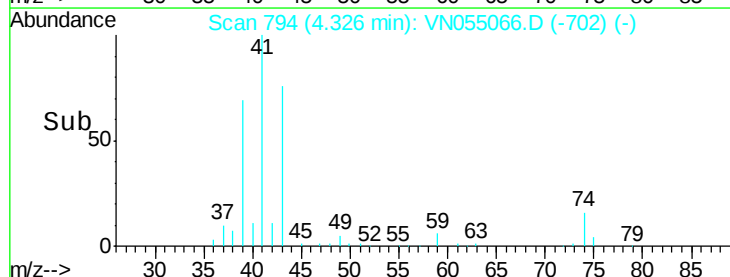
60000

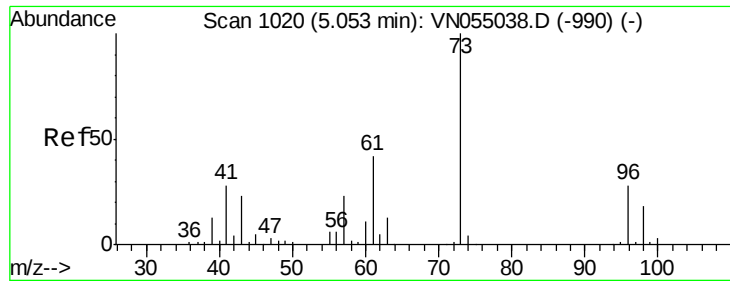
40000

20000

0

Time--> 4.20 4.30 4.40





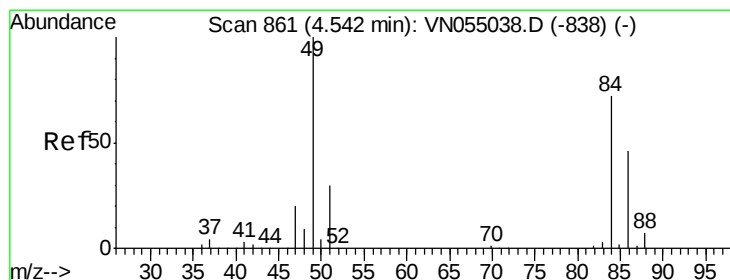
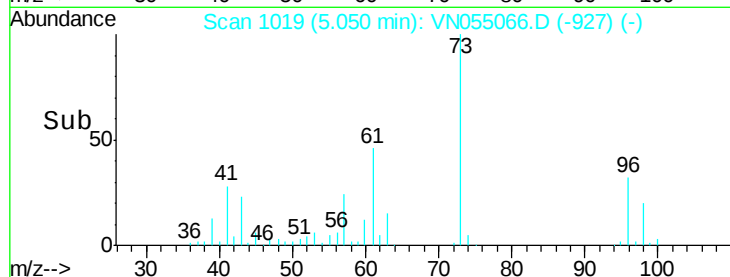
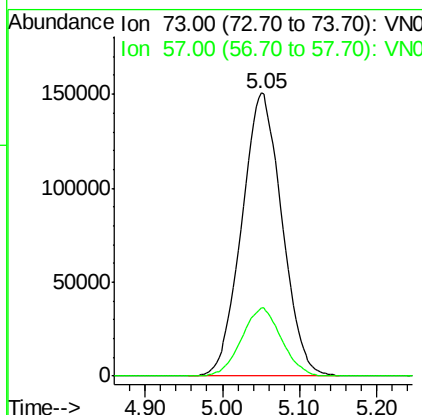
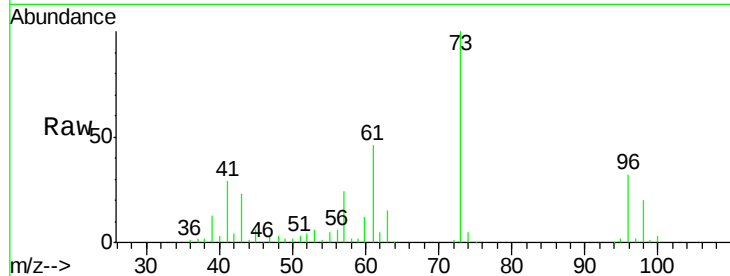
#19
Methvl tert-butvl Ether
Concen: 50.731 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 546103
Ion Ratio Lower Upper
73 100
57 24.0 19.0 28.4

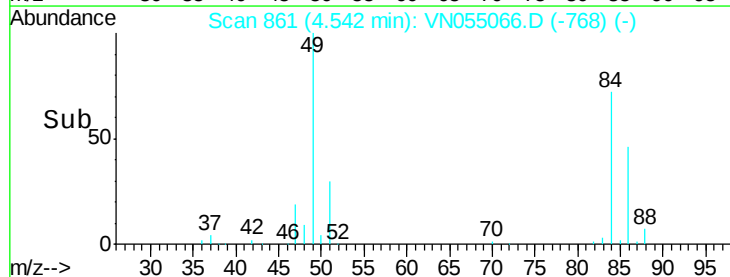
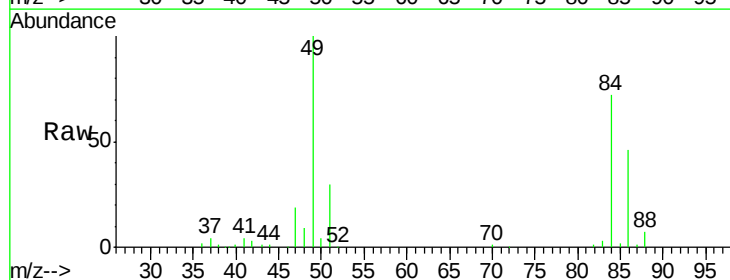
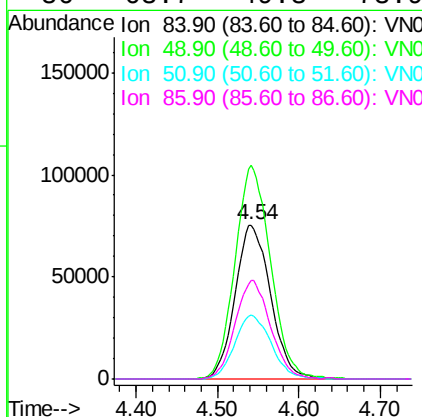
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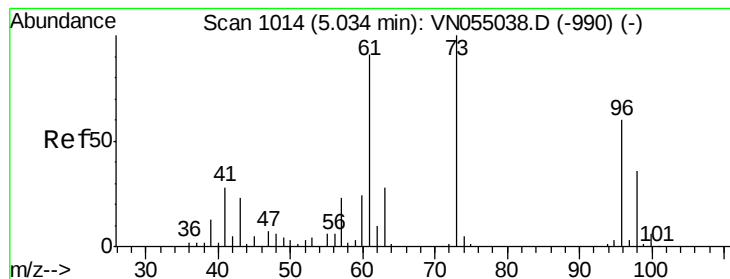
MMDadoda
4/17/2019 10:06:09 AM



#20
Methylene Chloride
Concen: 47.402 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion: 84 Resp: 227930
Ion Ratio Lower Upper
84 100
49 138.6 109.4 164.2
51 41.2 32.2 48.4
86 63.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.641 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 202038

Ion Ratio Lower Upper

96 100

61 155.0 114.9 172.3

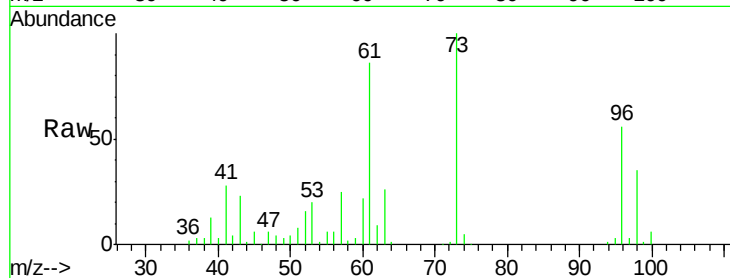
98 62.6 48.4 72.6

Manual Integrations

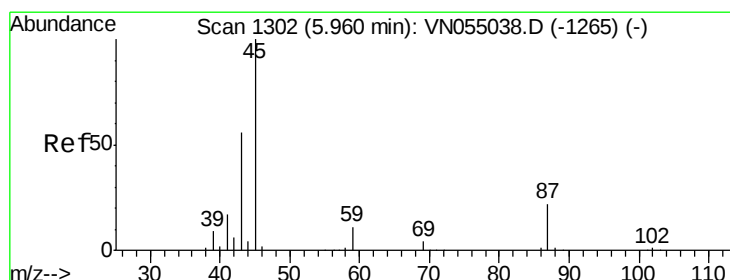
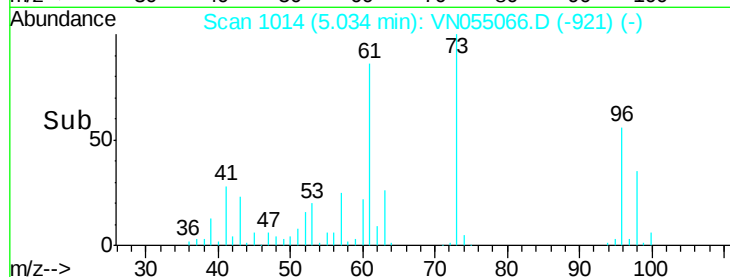
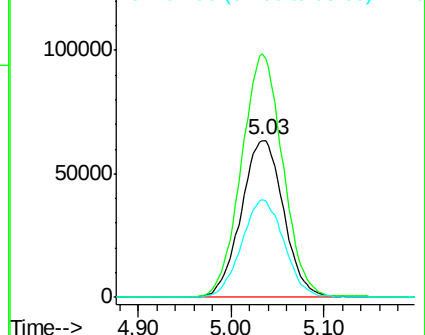
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4/17/2019 10:06:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 51.785 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion: 45 Resp: 784142

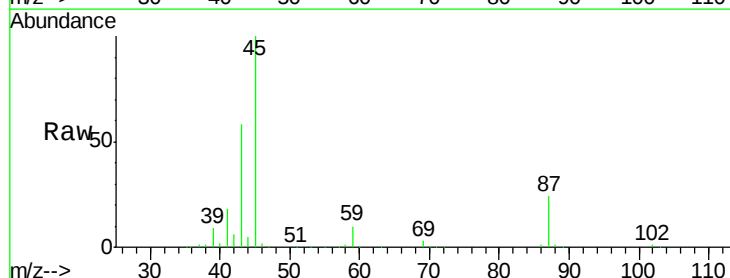
Ion Ratio Lower Upper

45 100

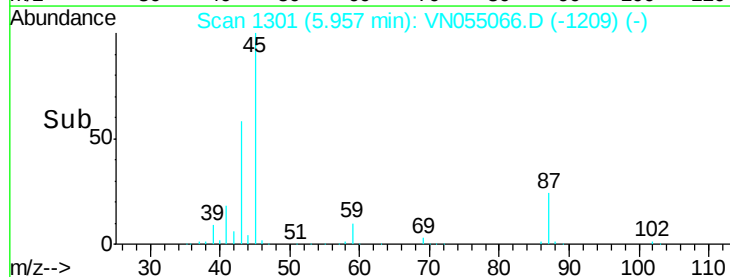
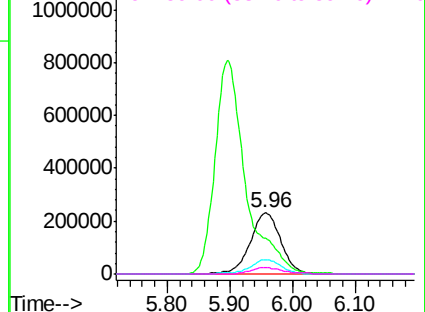
43 57.2 44.8 67.2

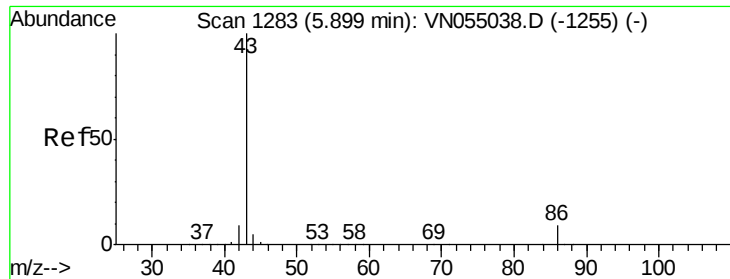
87 23.9 18.9 28.3

59 10.2 7.9 11.9



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 273.892 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tot Ion: 43 Resp: 2741316

Ion Ratio Lower Upper

43 100

86 8.5 7.0 10.4

Instrument :

MSVOA_N

ClientSampleId :

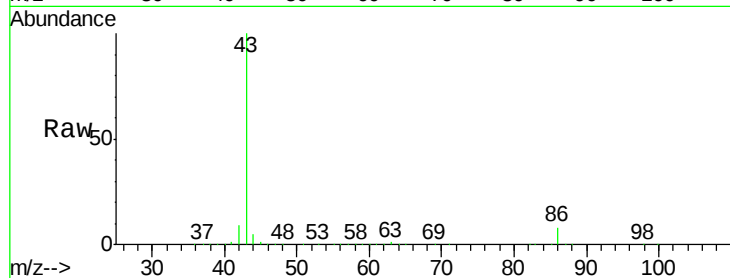
VSTDCCC050EC

Manual Integrations

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MMDadoda

4/17/2019 10:06:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

400000

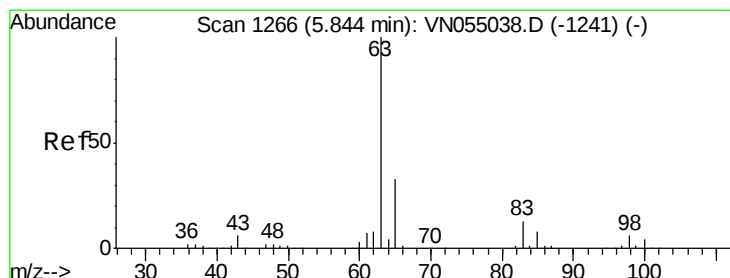
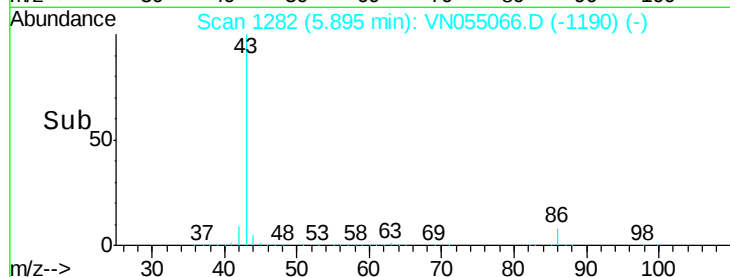
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.548 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

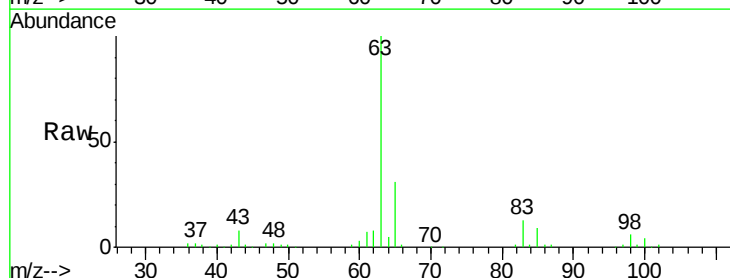
Tgt Ion: 63 Resp: 407598

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

100000

50000

0

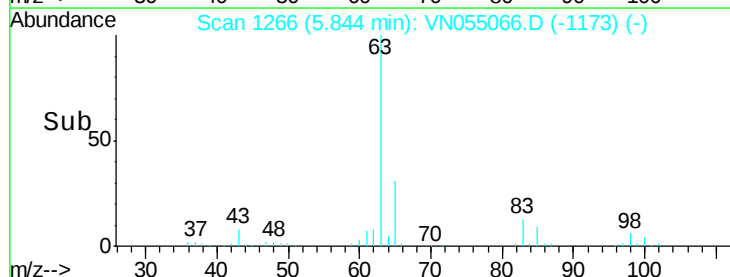
5.70

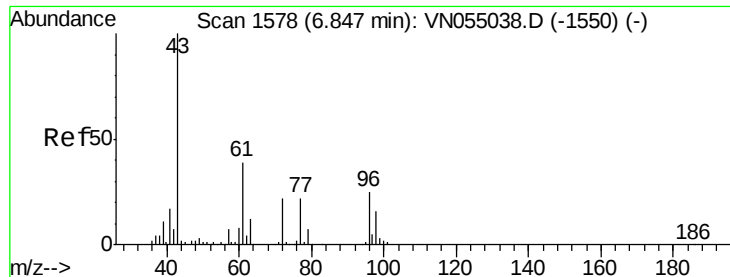
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 239.473 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 488884

Ion Ratio Lower Upper

43 100

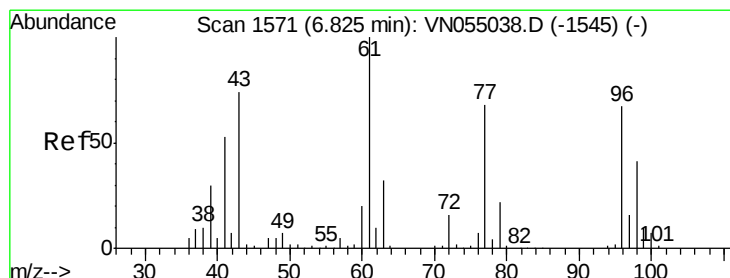
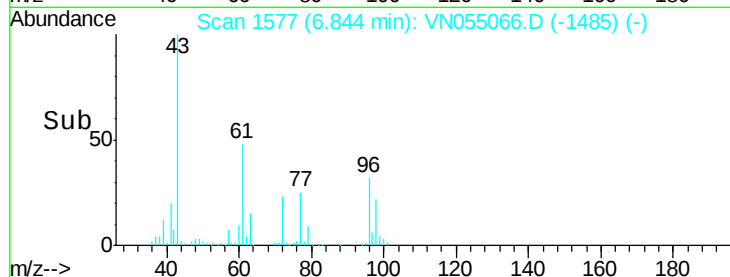
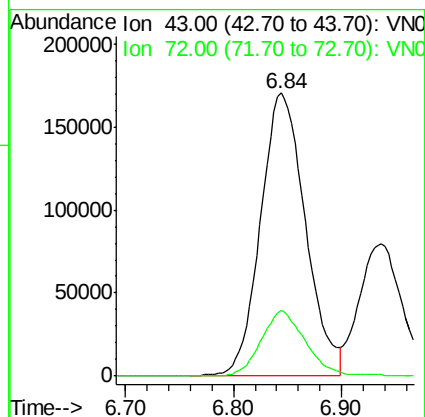
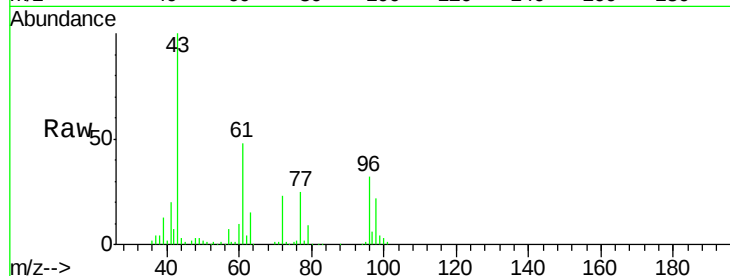
72 23.2 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 45.047 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055066.D

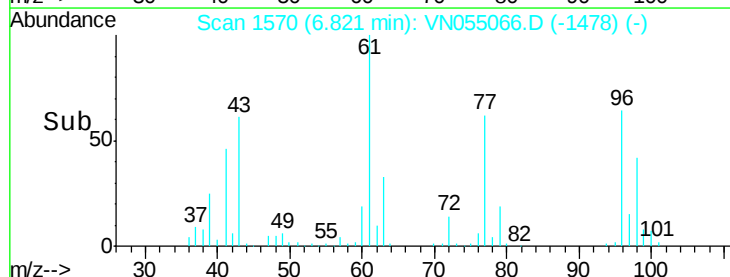
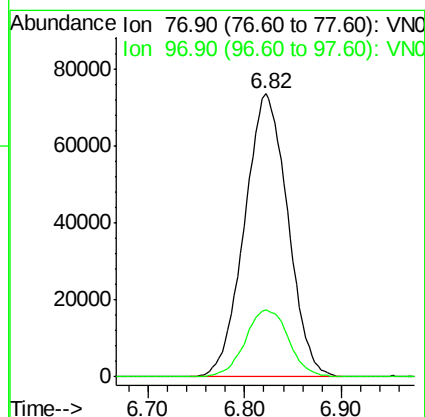
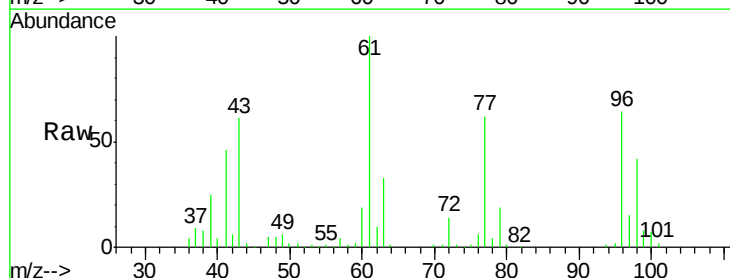
Acq: 16 Apr 2019 1:44

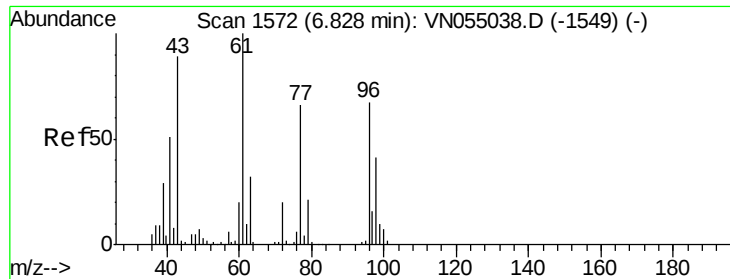
Tgt Ion: 77 Resp: 229258

Ion Ratio Lower Upper

77 100

97 23.9 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 50.577 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

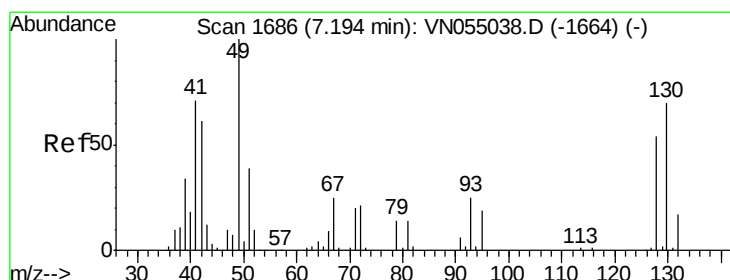
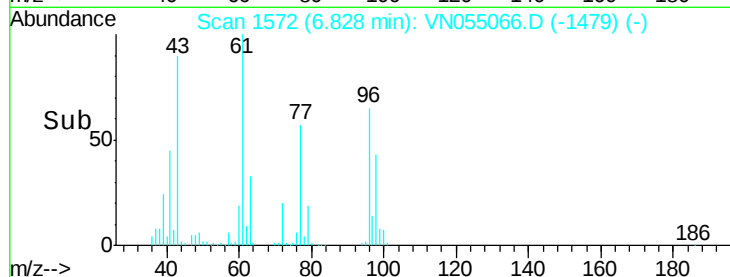
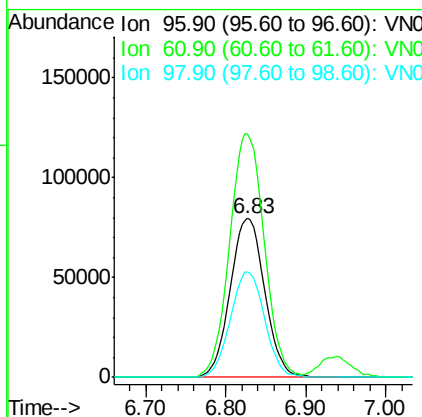
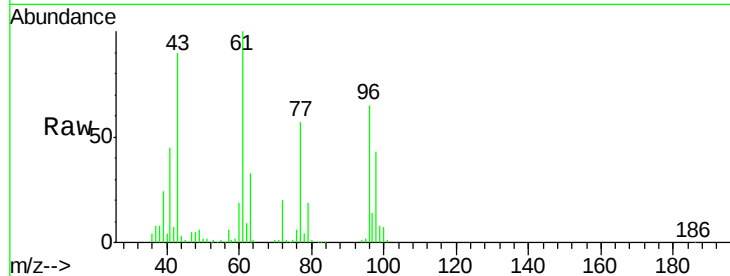
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	232882
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	311.0
98	65.9	0.0	127.4

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#28

Bromochloromethane

Concen: 49.665 ug/l

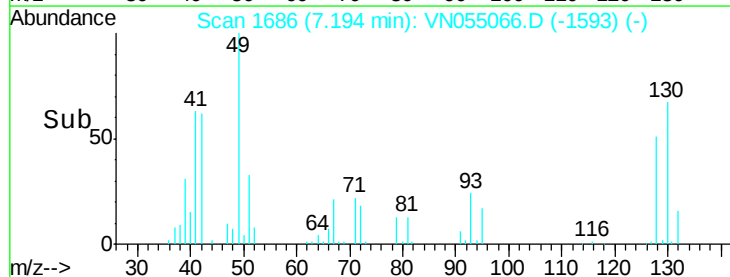
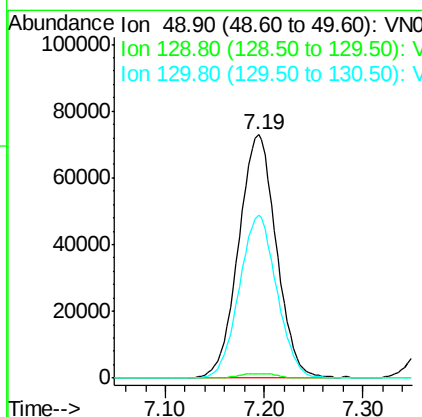
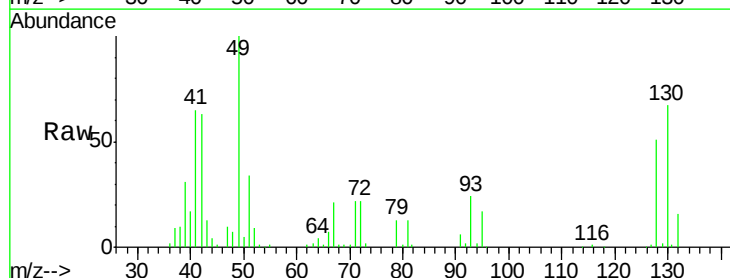
RT: 7.19 min Scan# 1686

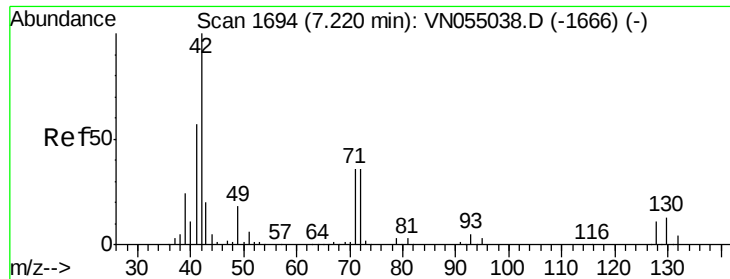
Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion:	49	Resp:	193048
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.0
130	66.6	53.4	80.2





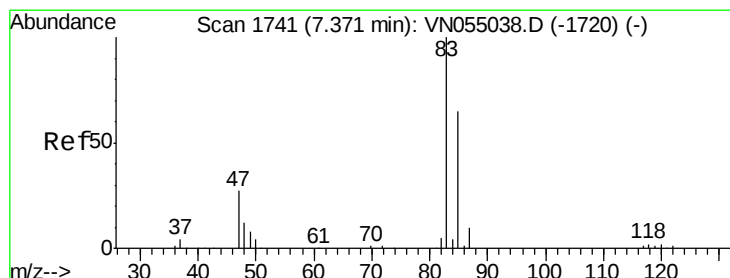
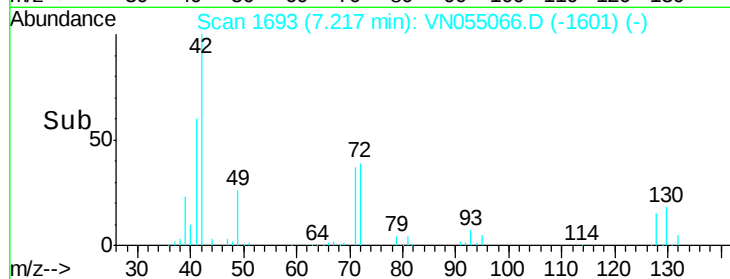
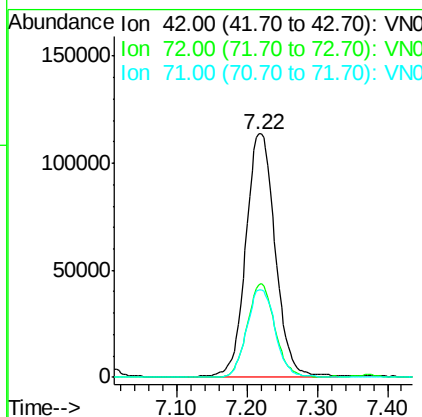
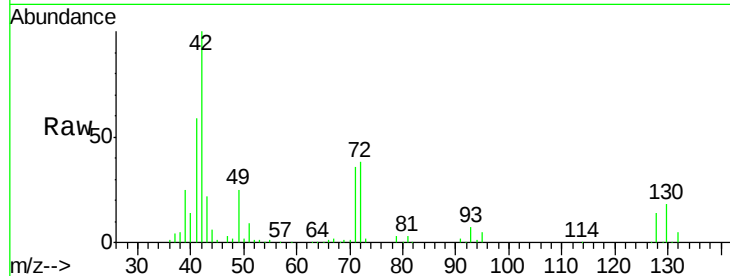
#29
Tetrahydrofuran
Concen: 245.877 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.4	44.0
71	35.1	27.8	41.6

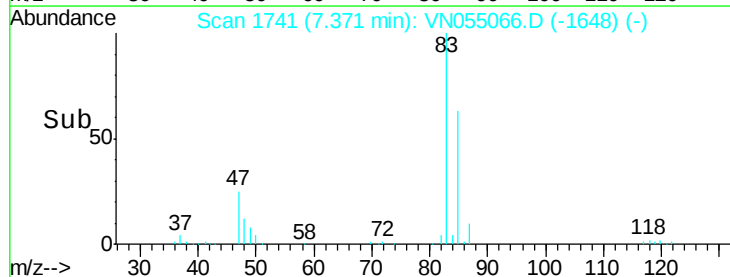
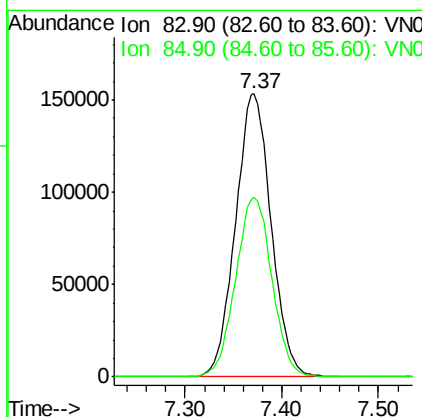
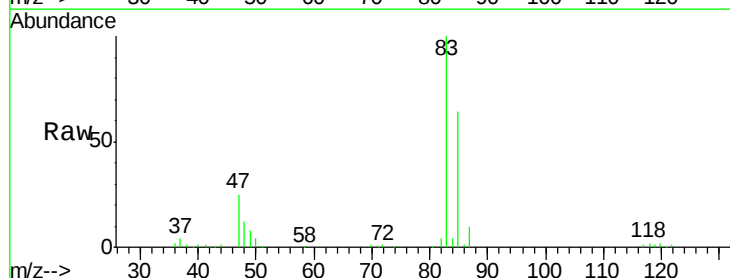
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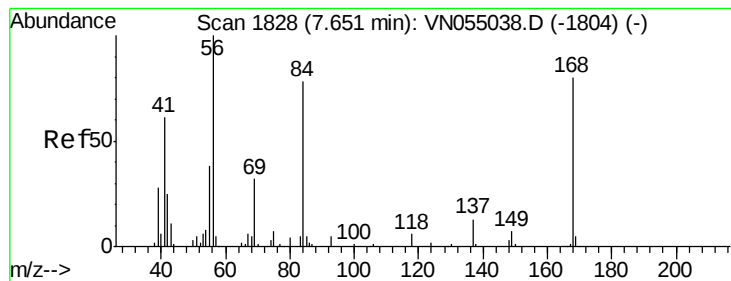
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#30
Chloroform
Concen: 50.102 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





#31

Cyclohexane

Concen: 51.797 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 368939

Ion Ratio Lower Upper

56 100

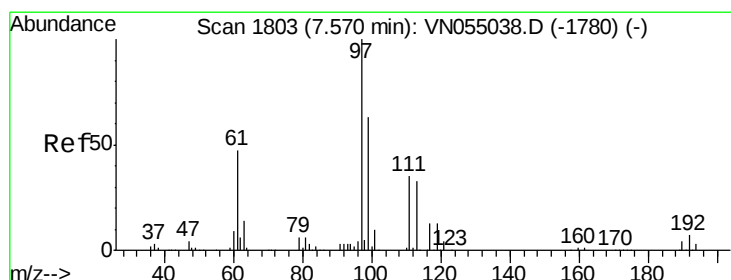
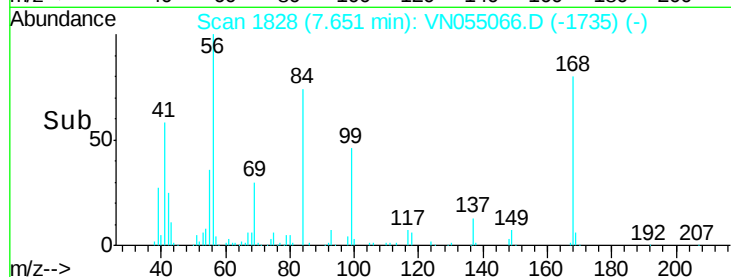
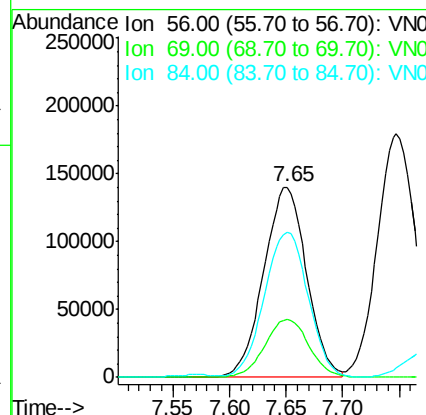
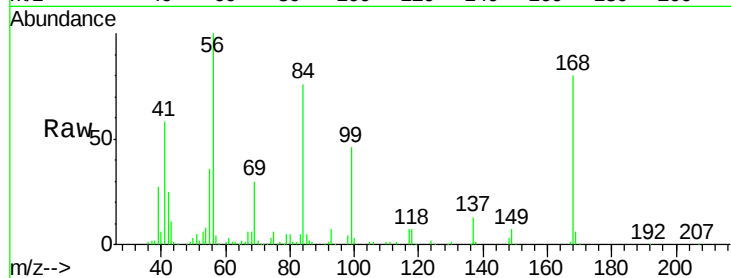
69 30.3 24.5 36.7

84 75.0 62.9 94.3

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#32

1,1,1-Trichloroethane

Concen: 51.419 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

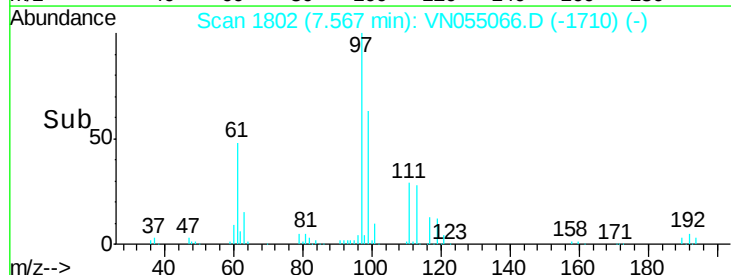
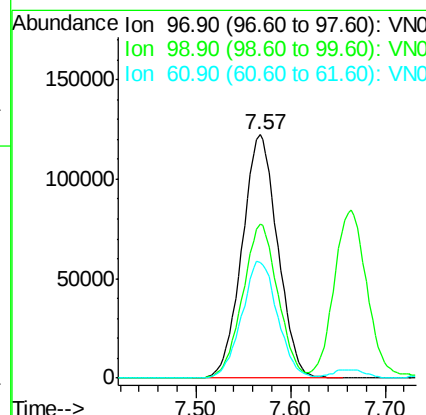
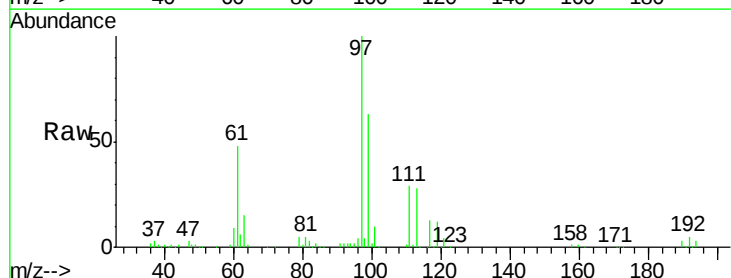
Tgt Ion: 97 Resp: 319079

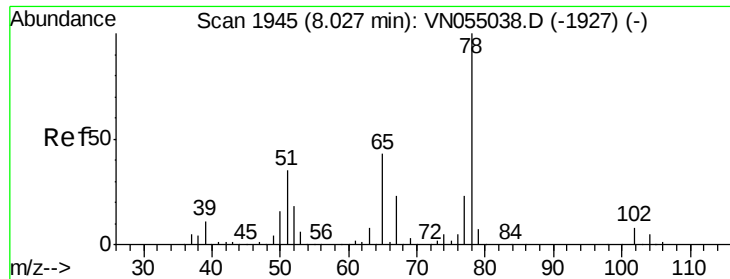
Ion Ratio Lower Upper

97 100

99 62.8 51.6 77.4

61 48.2 38.3 57.5





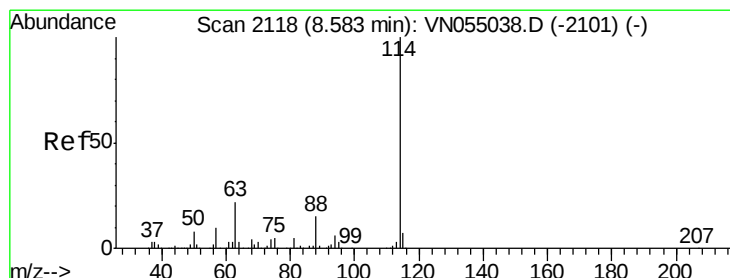
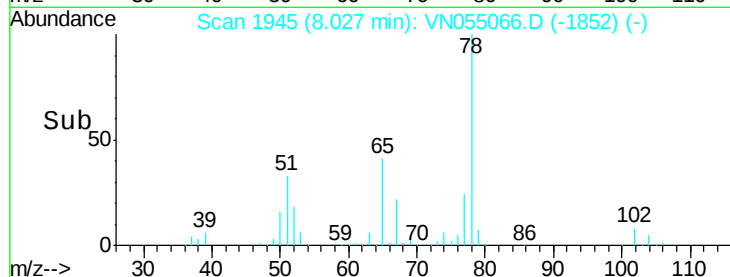
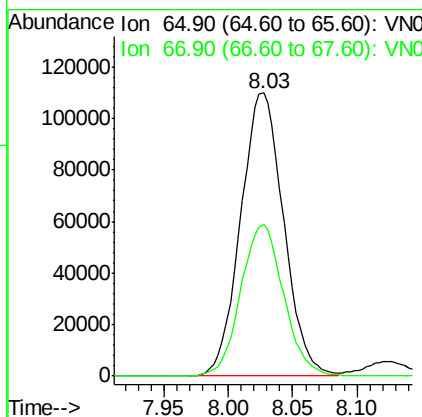
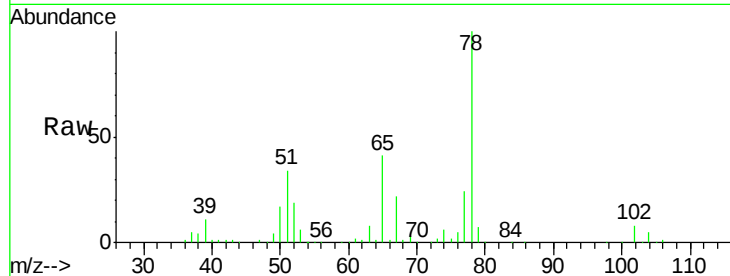
#33
 1,2-Dichloroethane-d4
 Concen: 50.769 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255857		
67	53.2	0.0	106.4	

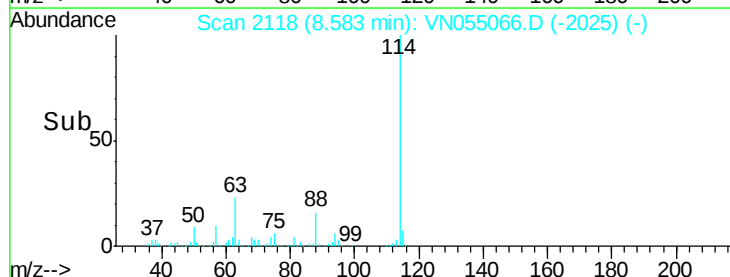
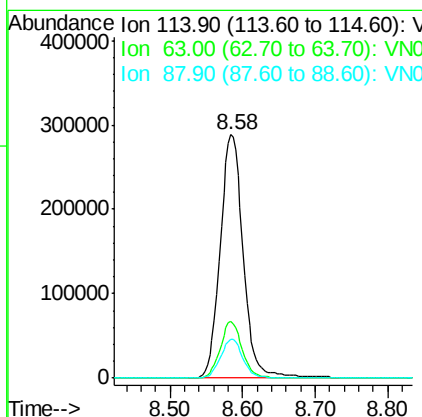
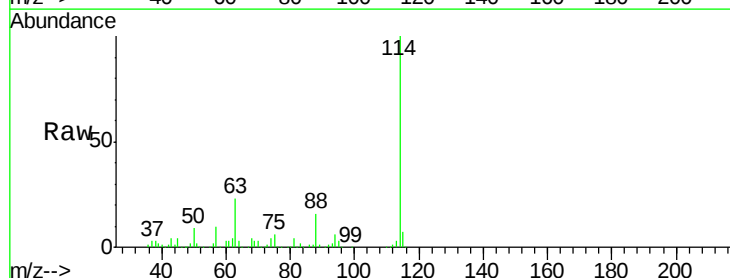
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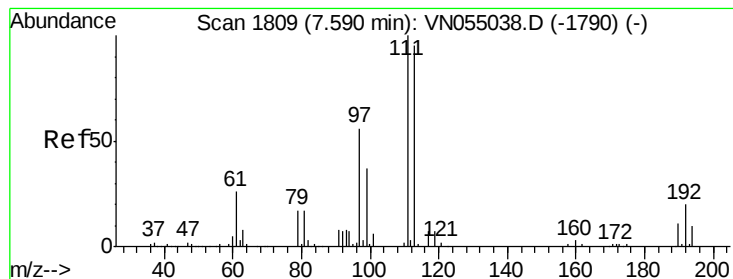
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	637013		
63	23.3	0.0	45.2	
88	15.8	0.0	31.8	





#35

Dibromofluoromethane

Concen: 48.824 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

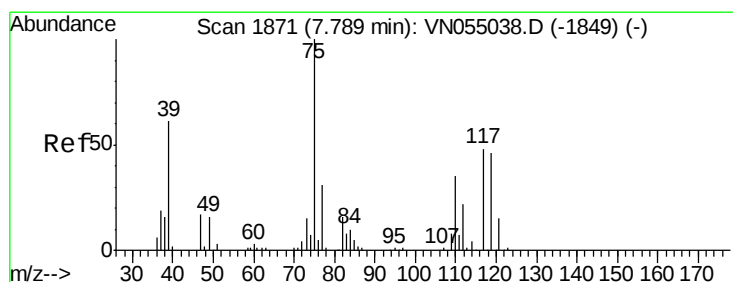
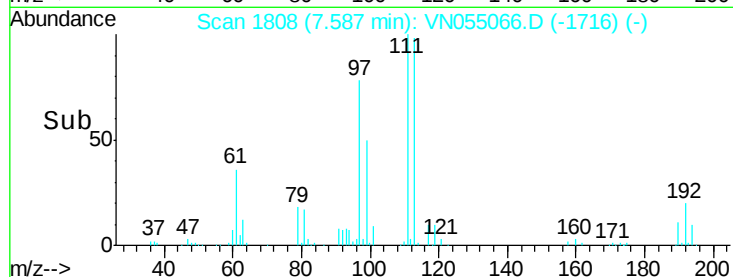
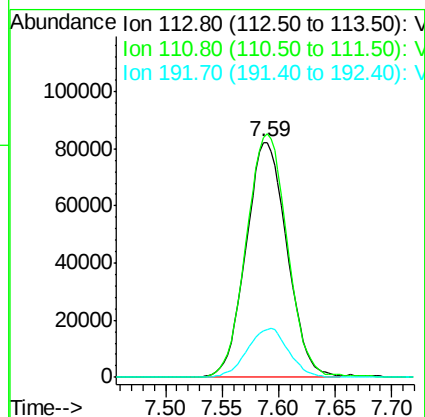
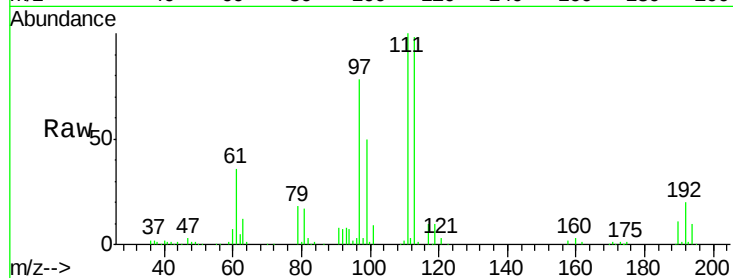
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	207853
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.1	123.1
192	20.9	16.5	24.7

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#36

1,1-Dichloropropene

Concen: 47.306 ug/l

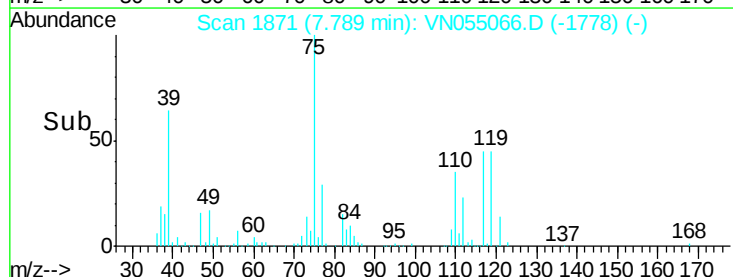
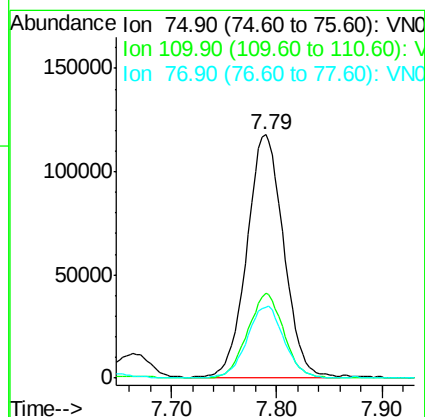
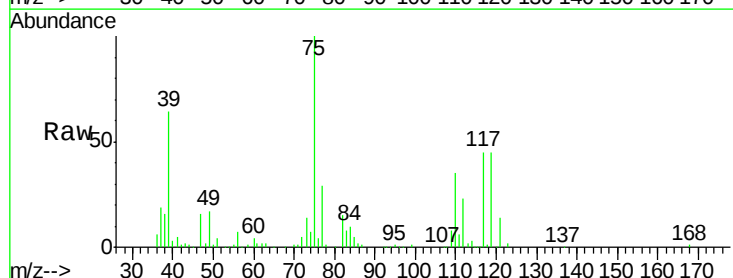
RT: 7.79 min Scan# 1871

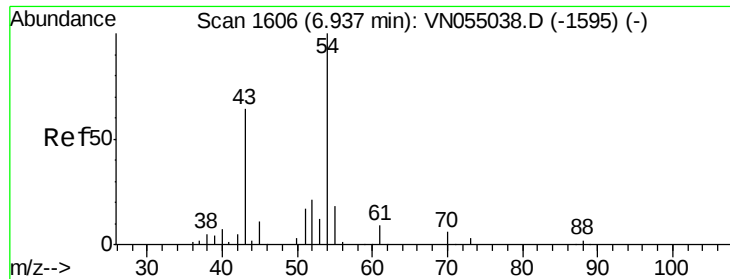
Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion:	75	Resp:	284076
Ion Ratio	Lower	Upper	
75	100		
110	34.5	17.5	52.5
77	30.2	24.9	37.3





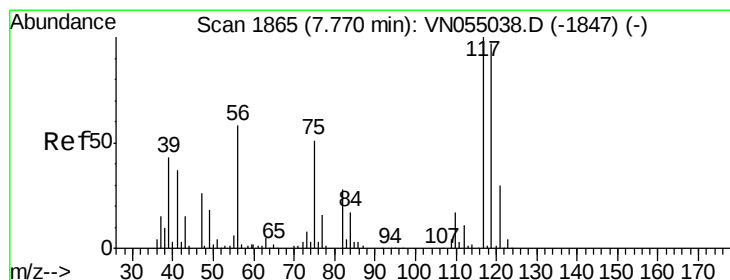
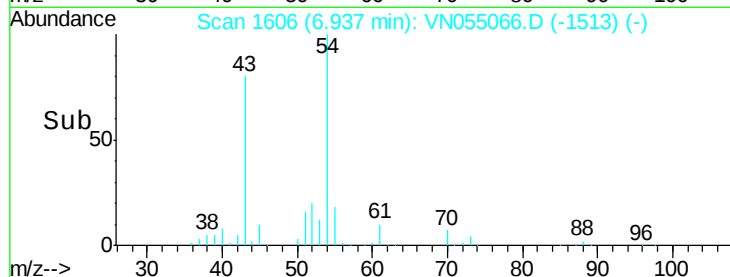
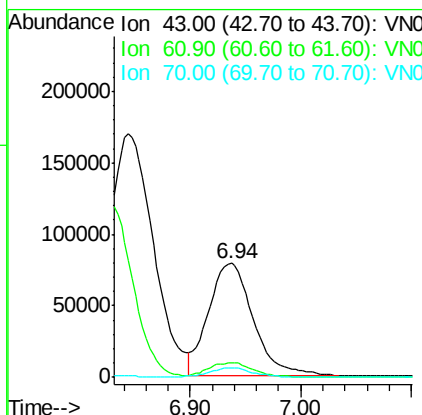
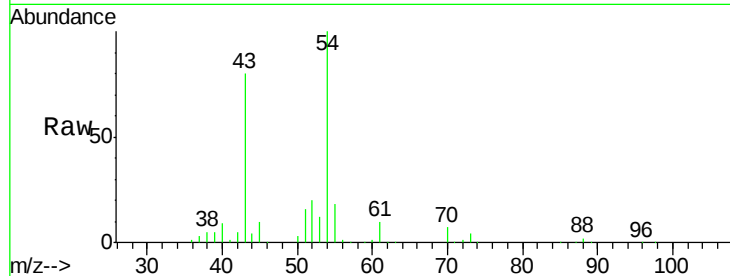
#37
Ethyl Acetate
Concen: 45.246 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.8	10.0	15.0	
70	8.6	7.1	10.7	

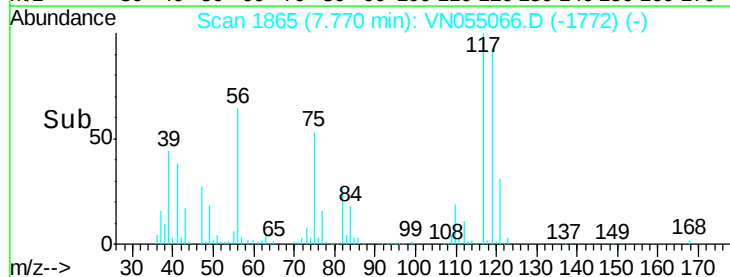
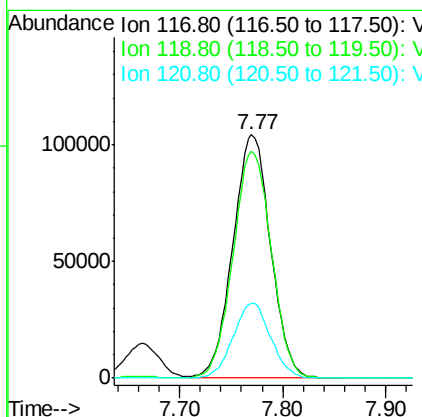
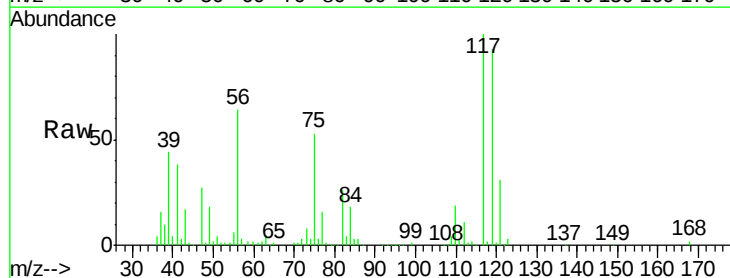
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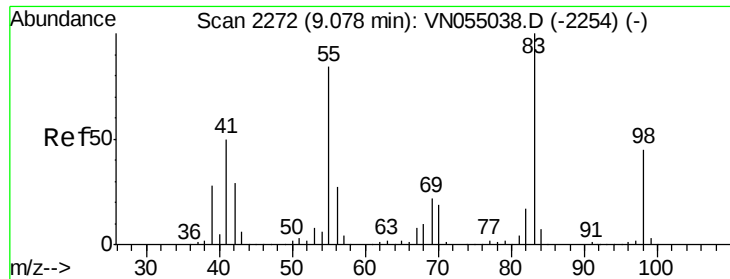
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#38
Carbon Tetrachloride
Concen: 46.518 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.1	76.3	114.5	
121	30.5	23.9	35.9	





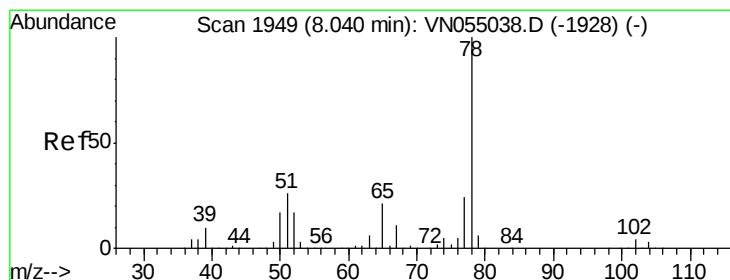
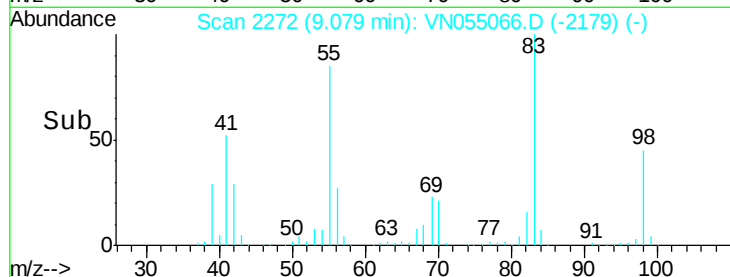
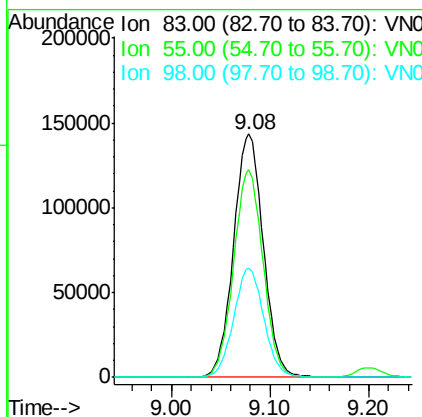
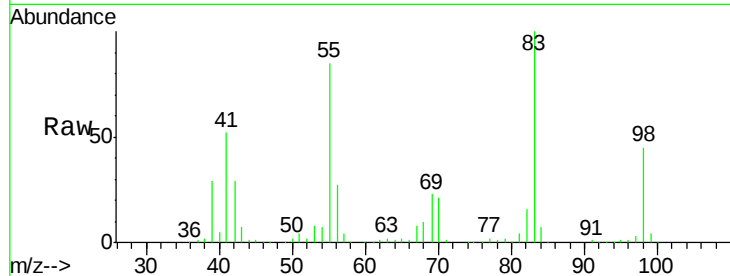
#39
Methvlcvclohexane
Concen: 46.273 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	301108
Ion Ratio	Lower	Upper	
83	100		
55	85.5	67.0	100.4
98	45.0	35.6	53.4

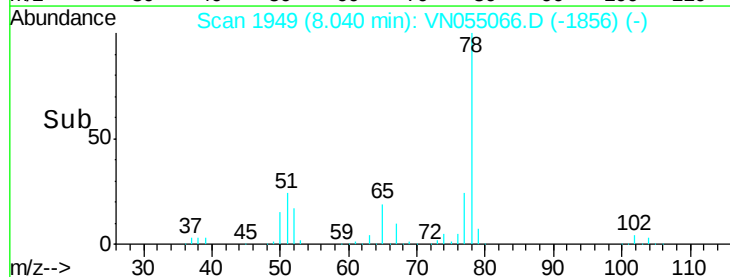
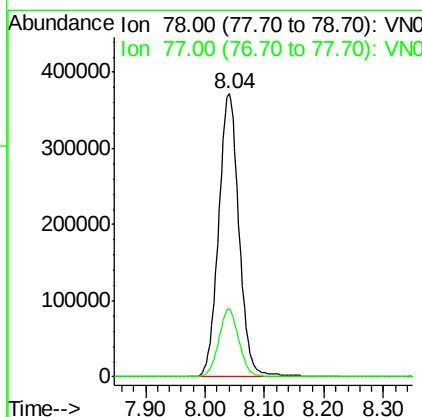
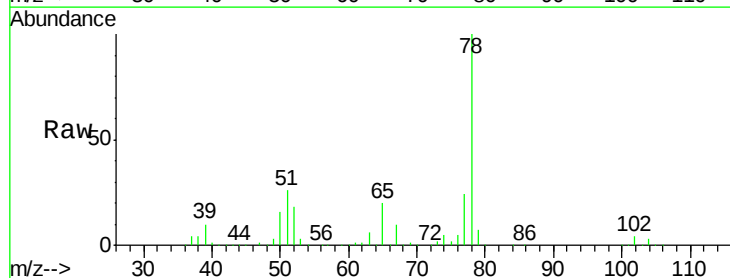
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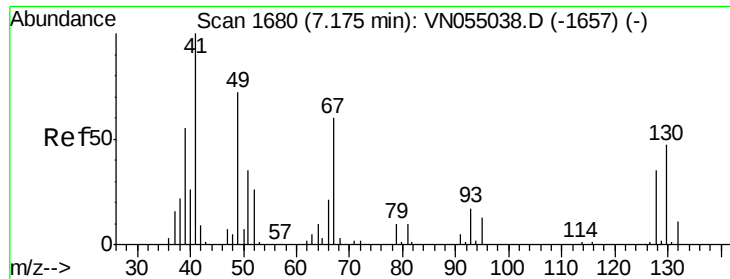
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#40
Benzene
Concen: 48.777 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	78	Resp	882783
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.8	28.2





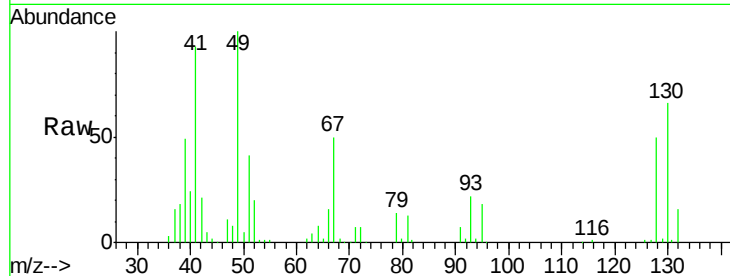
#41
Methacrylonitrile
Concen: 52.035 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

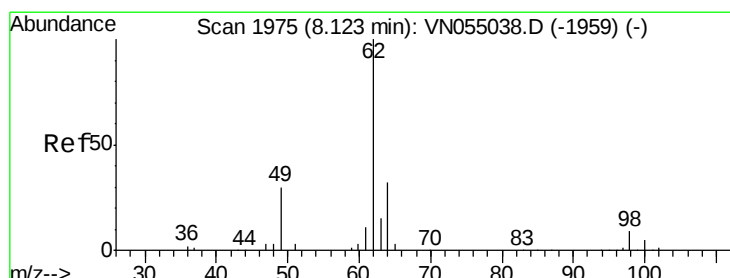
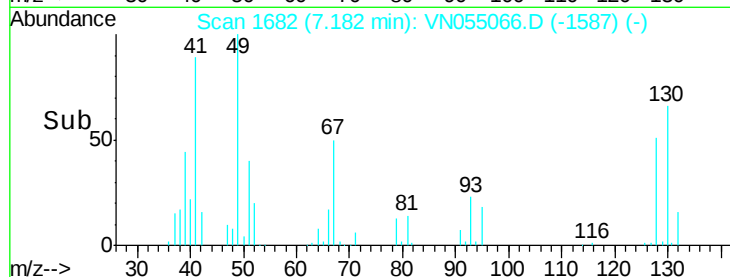
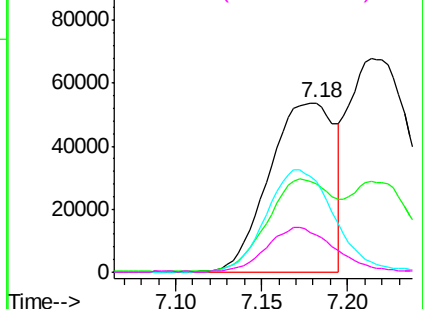
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	45.6	68.4	
67	63.9	57.0	85.6	
52	28.2	23.6	35.4	

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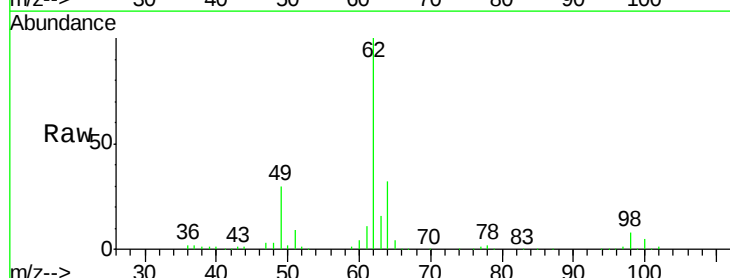


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

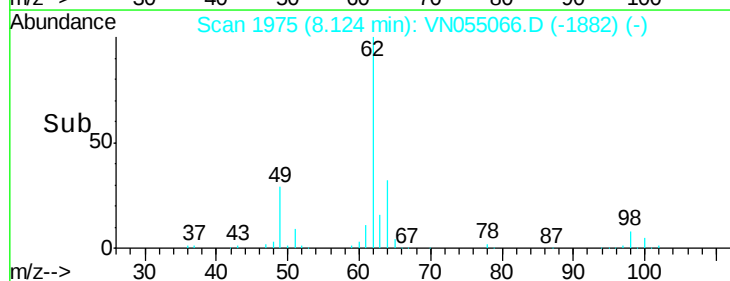
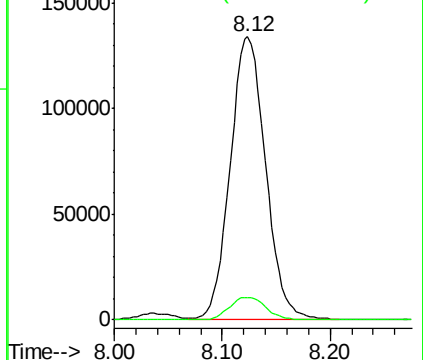


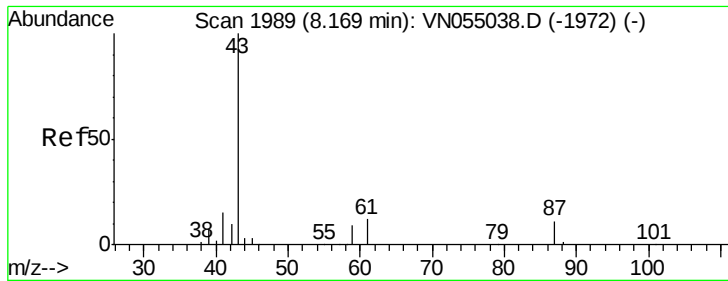
#42
1,2-Dichloroethane
Concen: 48.490 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.4	



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

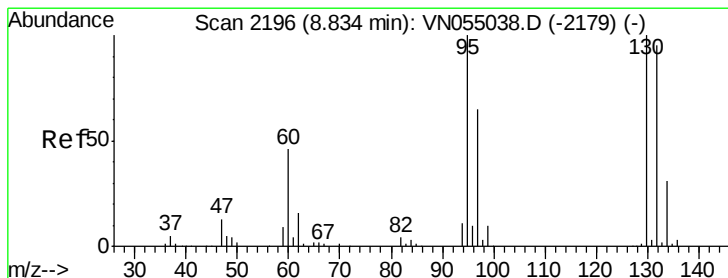
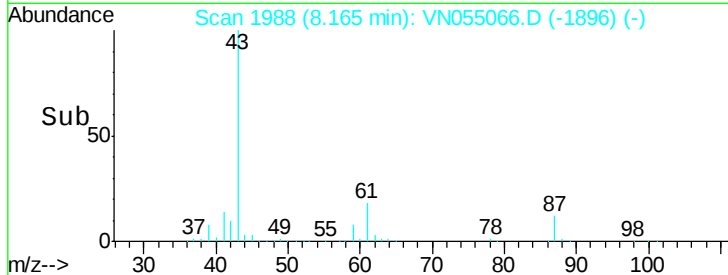
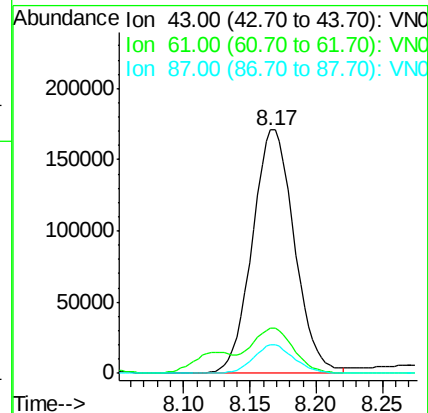
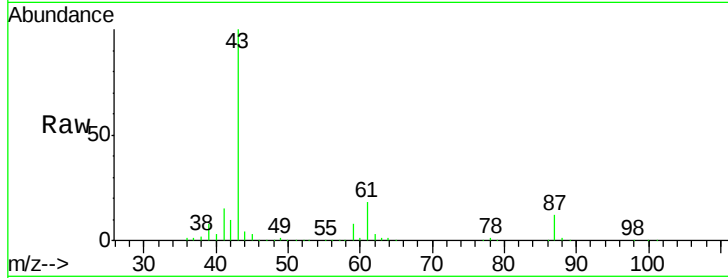
Isopropyl Acetate
 Concen: 49.855 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.3	21.5
87	11.3	8.6	13.0

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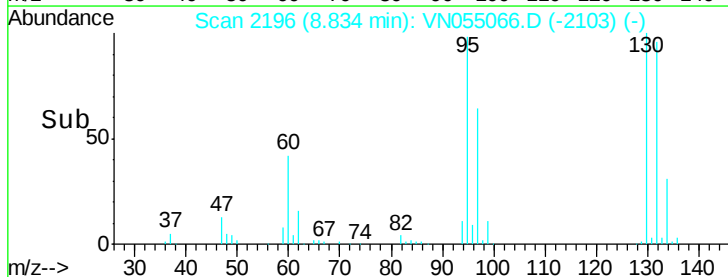
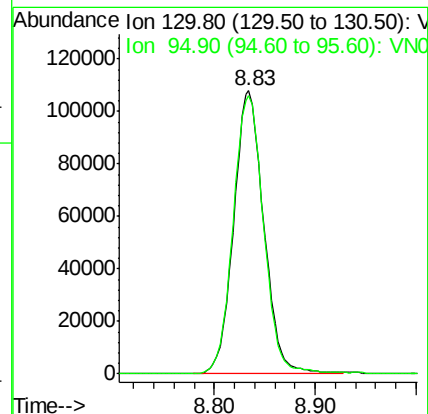
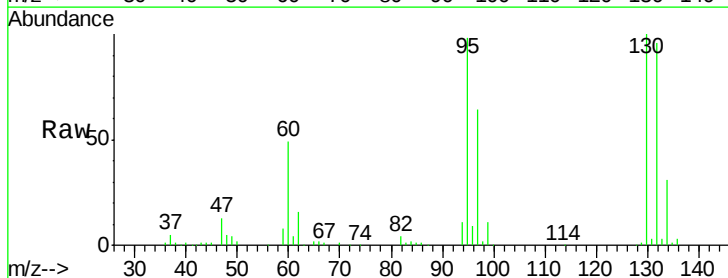
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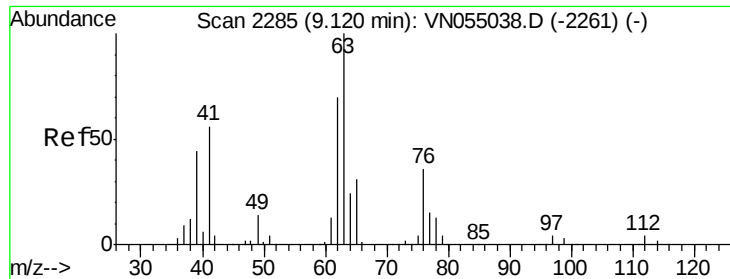


#44

Trichloroethene
 Concen: 49.438 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	201.6





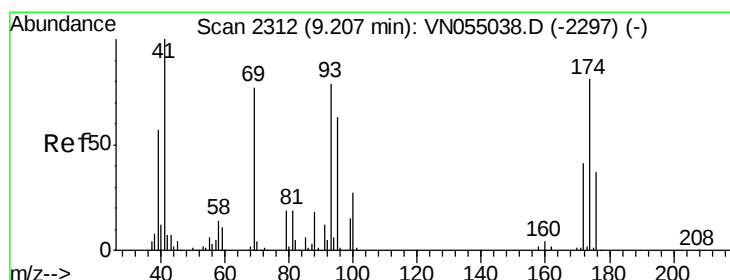
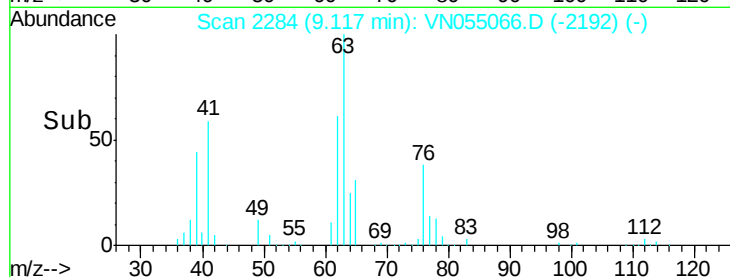
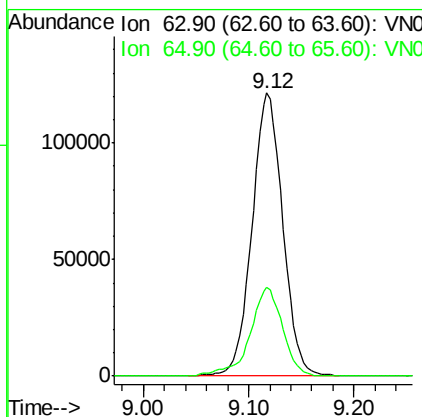
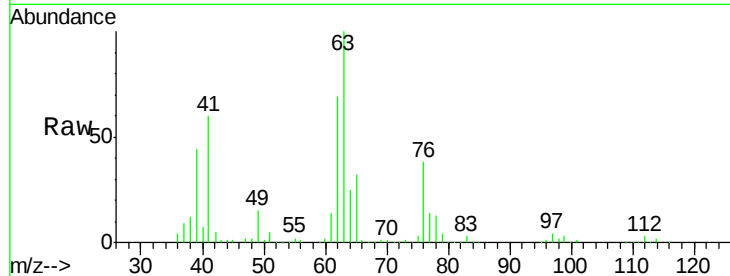
#45
 1,2-Dichloropropane
 Concen: 48.892 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.4	36.6

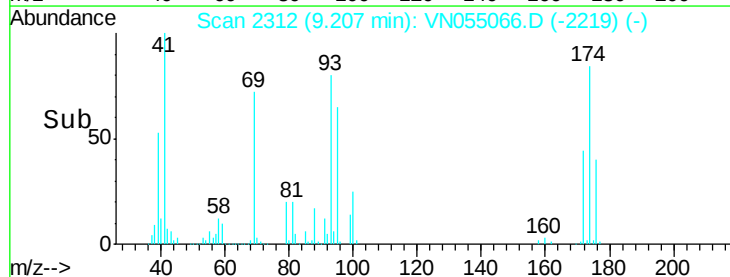
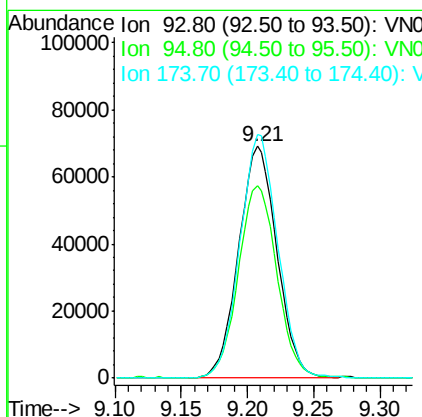
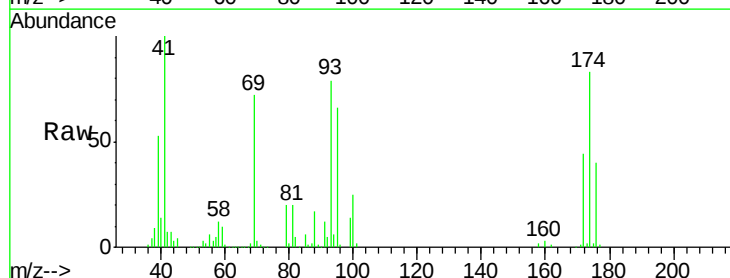
Manual Integrations
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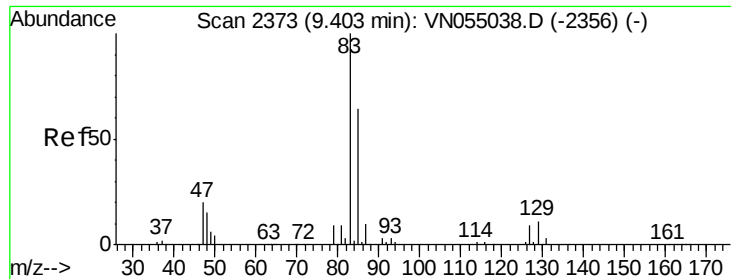
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 4/17/2019 10:06:09 AM



#46
 Dibromomethane
 Concen: 48.417 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	103.7	81.0	121.6





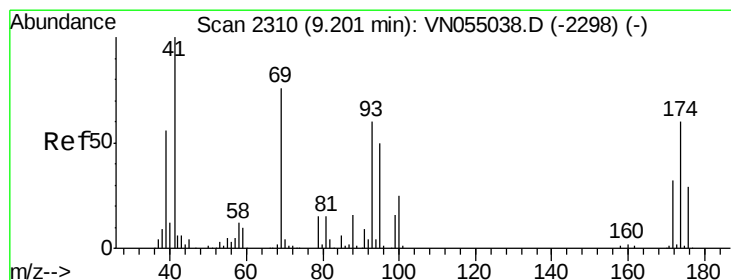
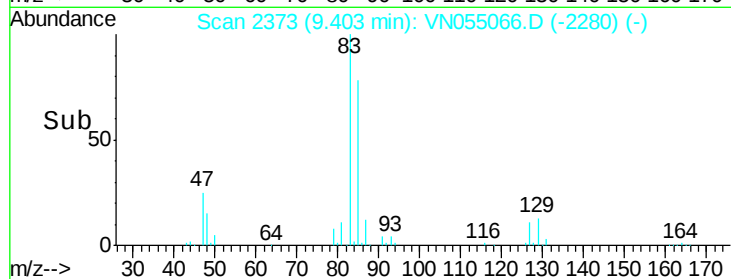
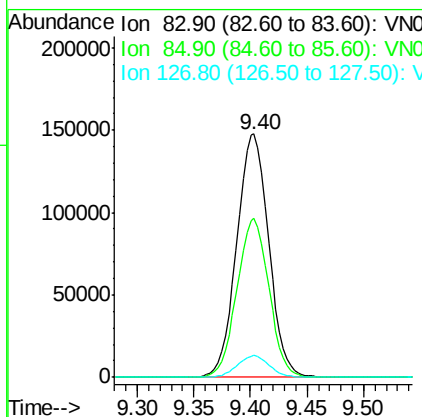
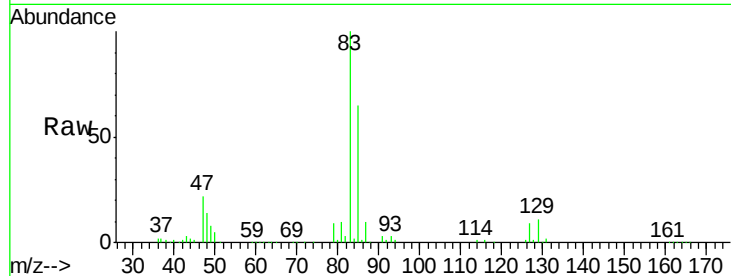
#47
Bromodichloromethane
Concen: 49.207 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	291462
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.2	76.8
127	8.9	6.8	10.2

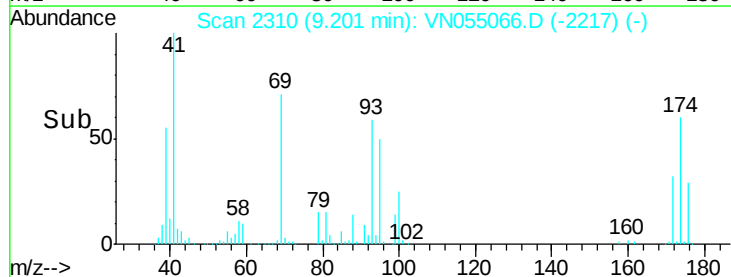
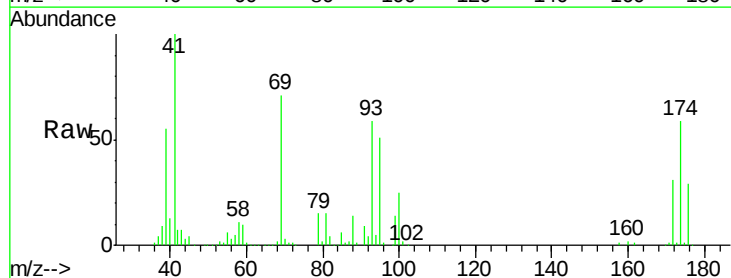
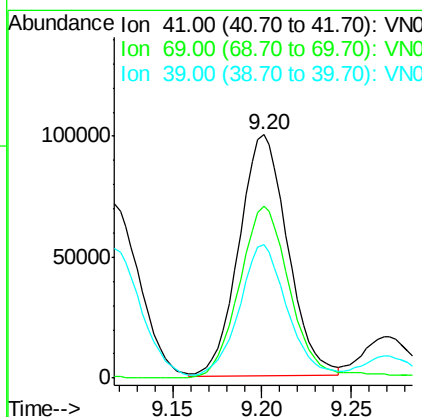
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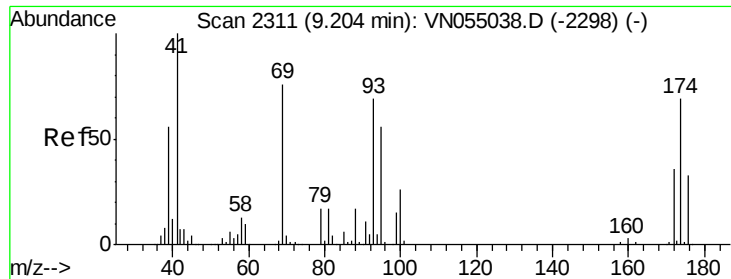
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#48
Methyl methacrylate
Concen: 51.139 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	41	Resp	190940
Ion Ratio	100	Lower	Upper
41	100		
69	74.6	60.5	90.7
39	54.1	43.9	65.9





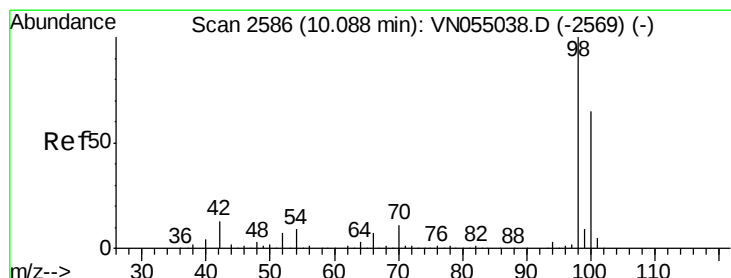
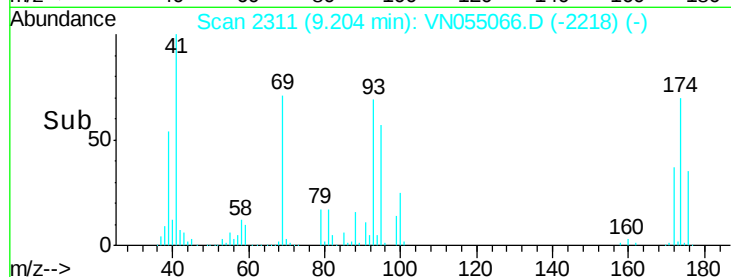
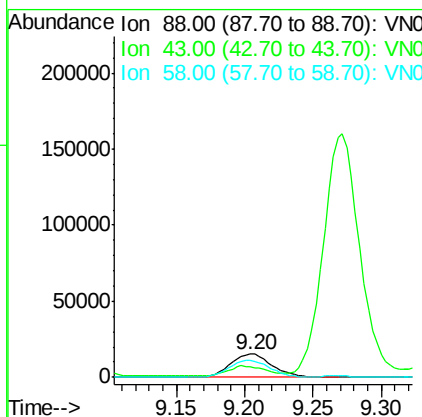
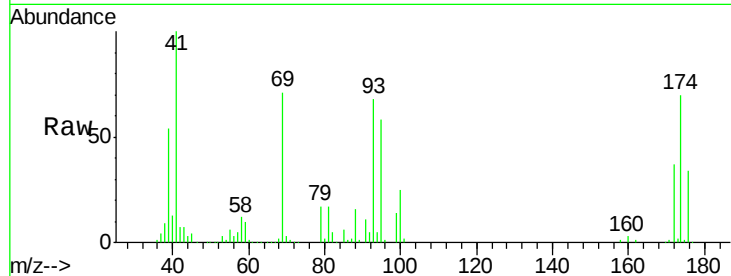
#49
1,4-Dioxane
Concen: 914.069 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.4	31.8	47.8
58	74.0	61.6	92.4

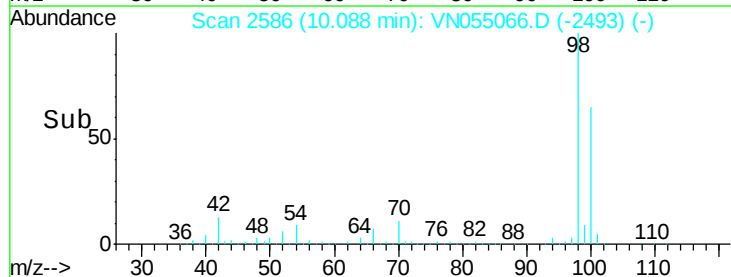
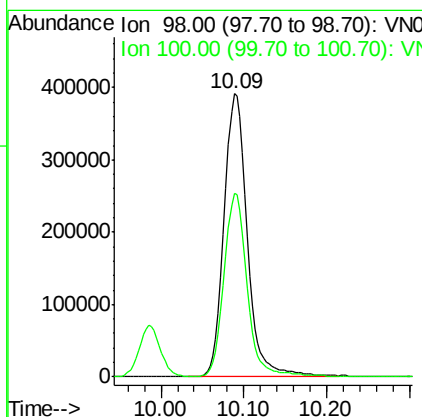
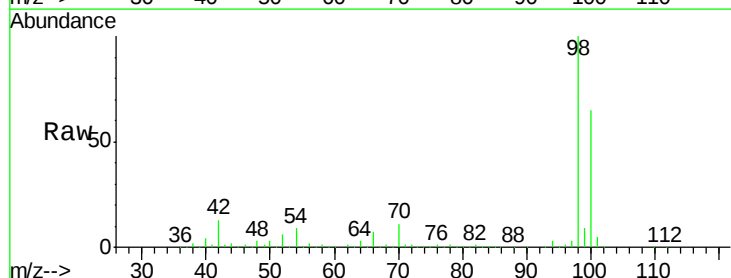
Manual Integrations
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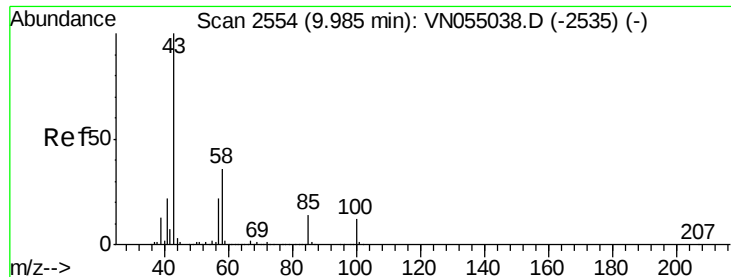
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#50
Toluene-d8
Concen: 50.310 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 248.877 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1083110

Ion Ratio Lower Upper

43 100

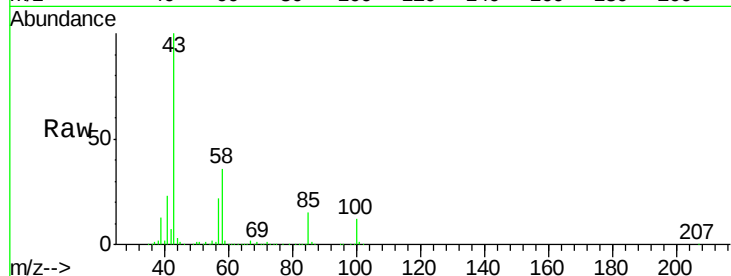
58 36.0 29.0 43.4

Manual Integrations

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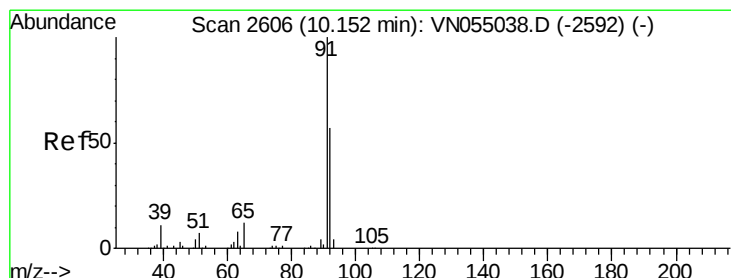
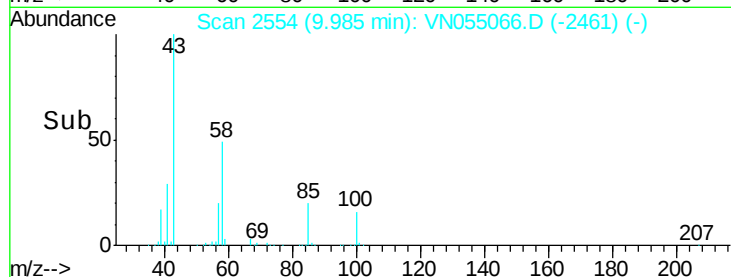
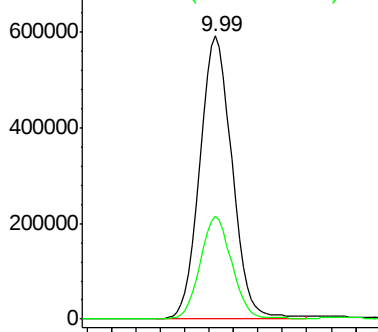
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.613 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055066.D

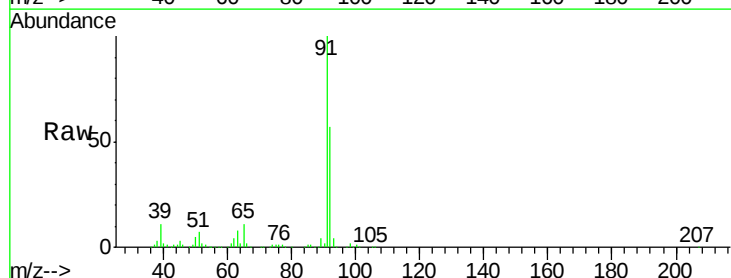
Acq: 16 Apr 2019 1:44

Tgt Ion: 92 Resp: 524639

Ion Ratio Lower Upper

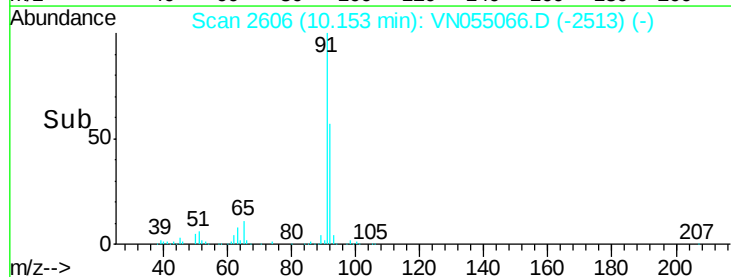
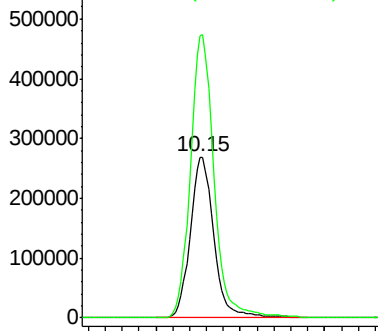
92 100

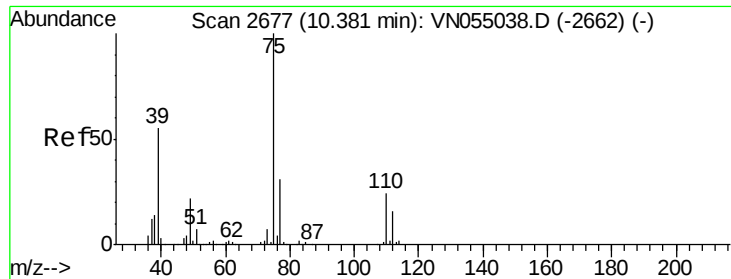
91 176.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





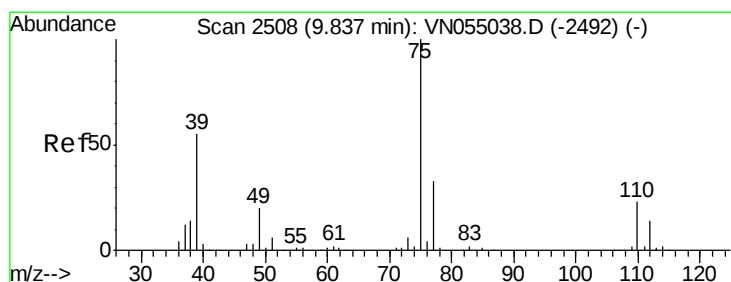
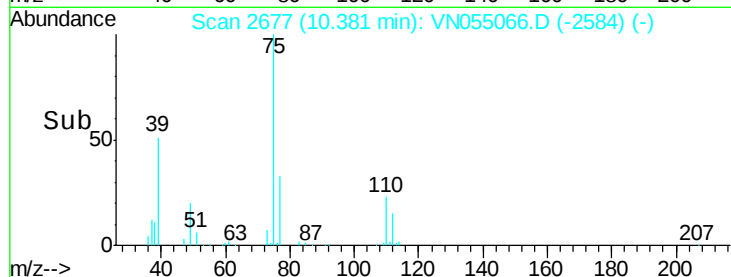
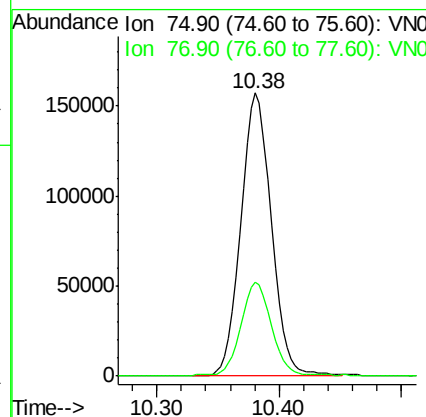
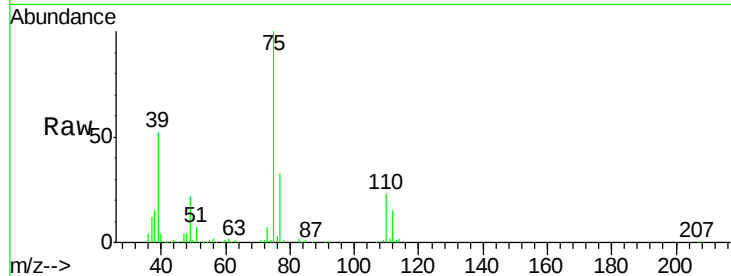
#53
t-1,3-Dichloropropene
Concen: 52.521 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 271867
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0

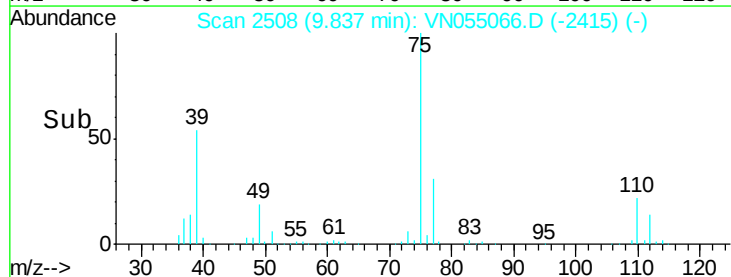
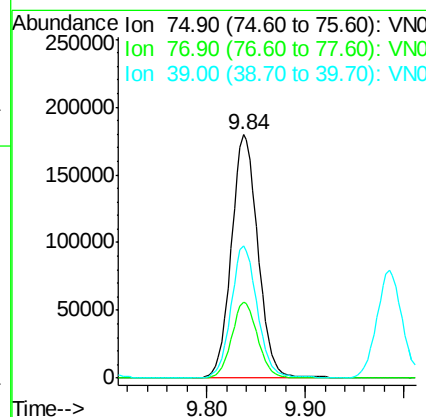
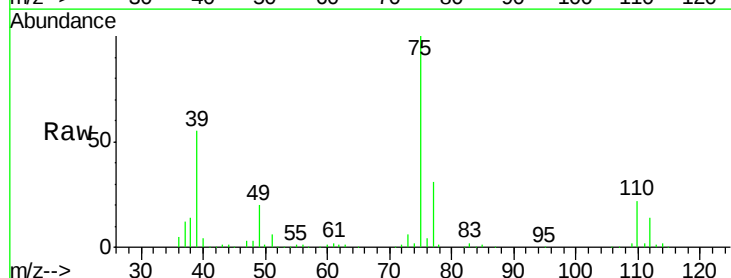
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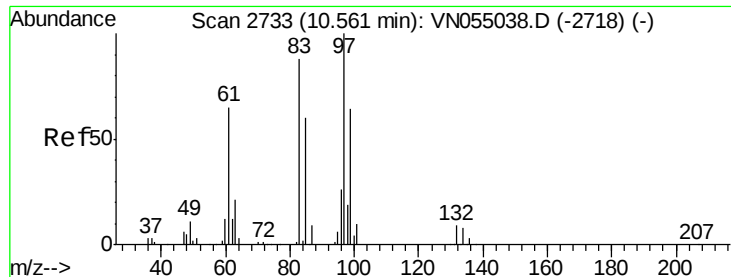
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#54
cis-1,3-Dichloropropene
Concen: 52.663 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion: 75 Resp: 338338
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.6
39 54.4 43.8 65.8





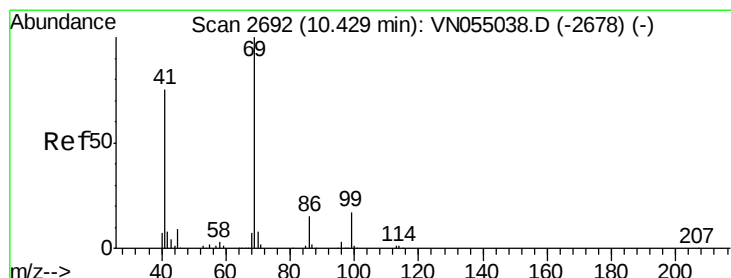
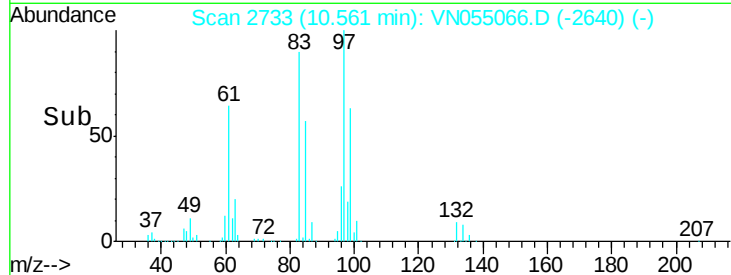
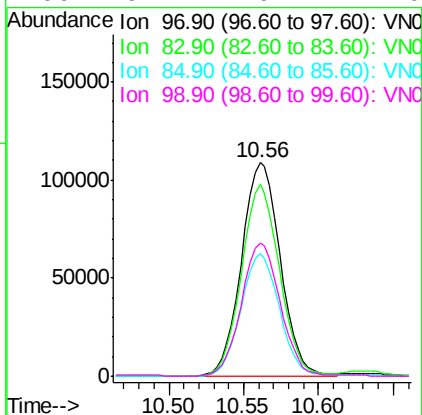
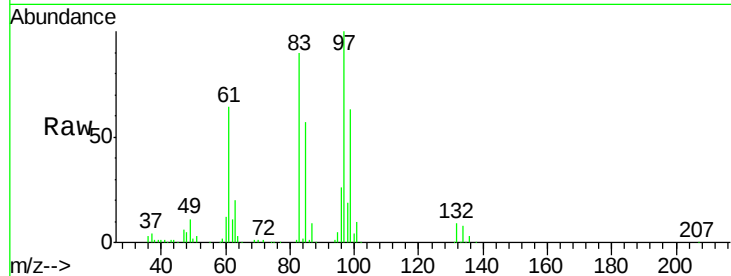
#55
 1,1,2-Trichloroethane
 Concen: 49.385 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	197229
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.5	105.7
85	57.3	45.5	68.3
99	62.4	49.4	74.0

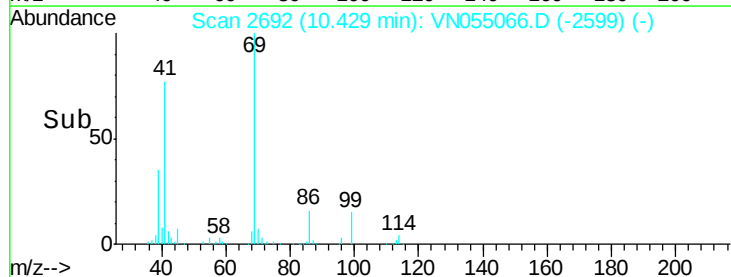
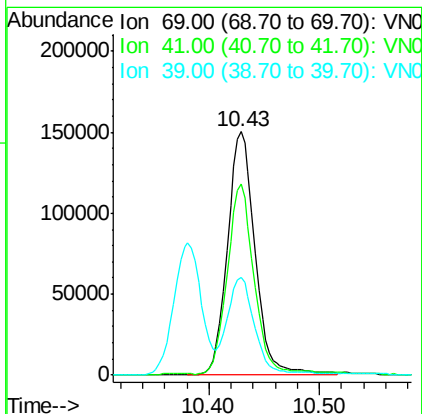
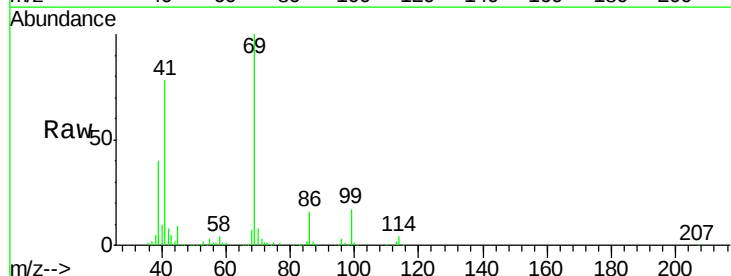
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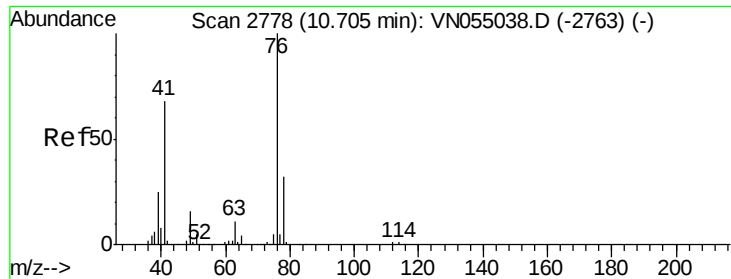
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#56
 Ethyl methacrylate
 Concen: 54.557 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion:	69	Resp:	261486
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.4	92.0
39	38.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 50.407 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 342748

Ion Ratio Lower Upper

76 100

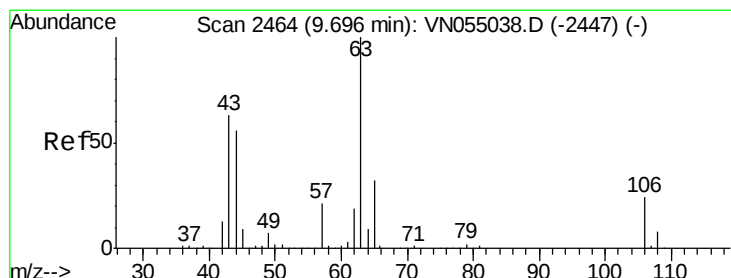
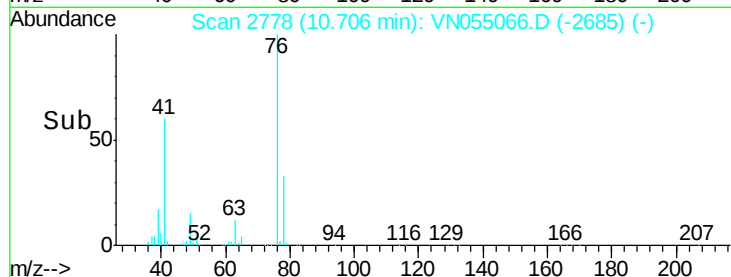
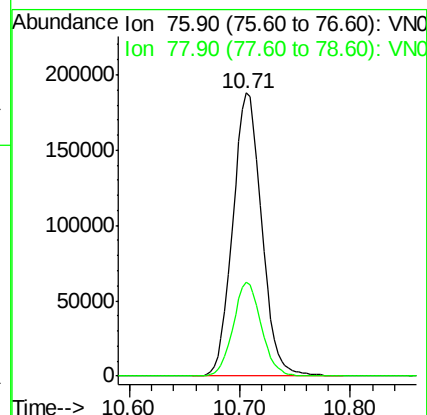
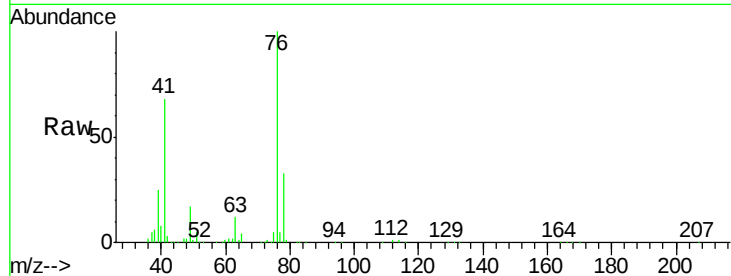
78 32.2 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 234.806 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055066.D

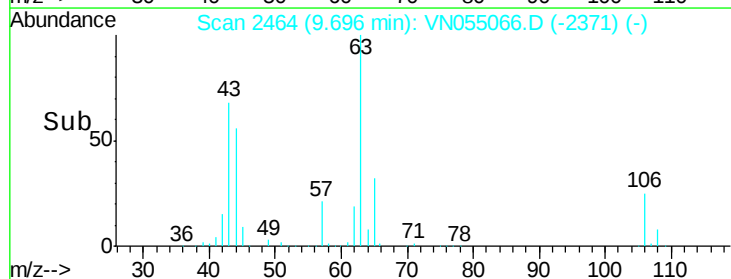
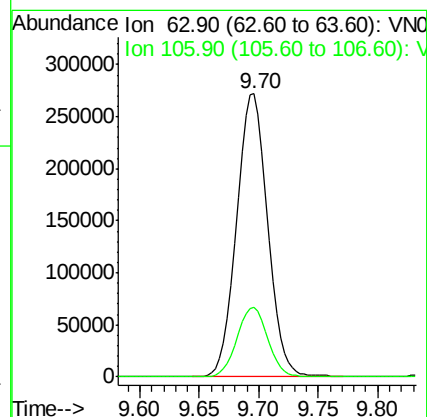
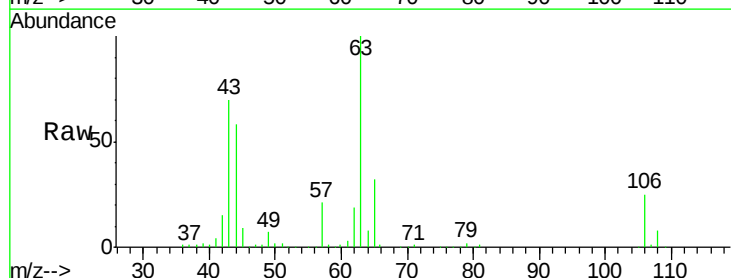
Acq: 16 Apr 2019 1:44

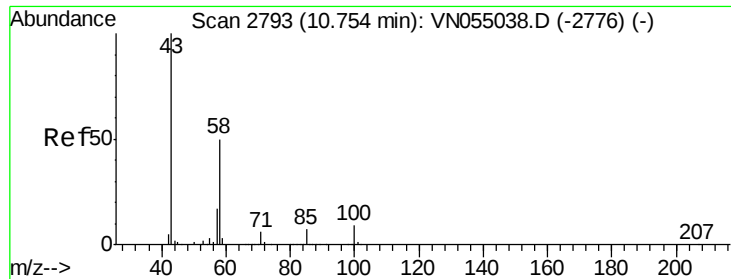
Tgt Ion: 63 Resp: 492868

Ion Ratio Lower Upper

63 100

106 24.4 20.0 30.0





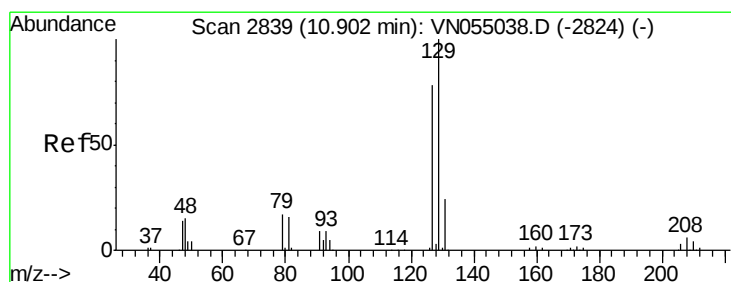
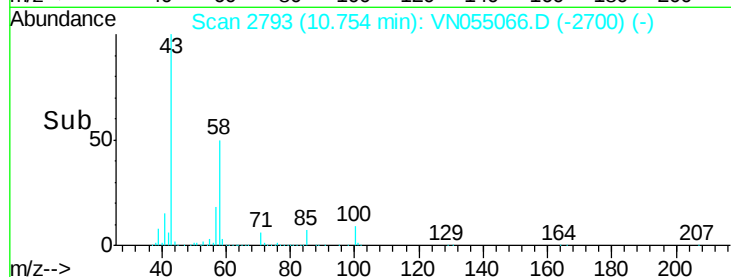
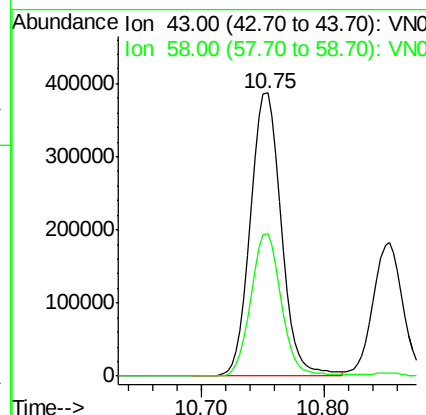
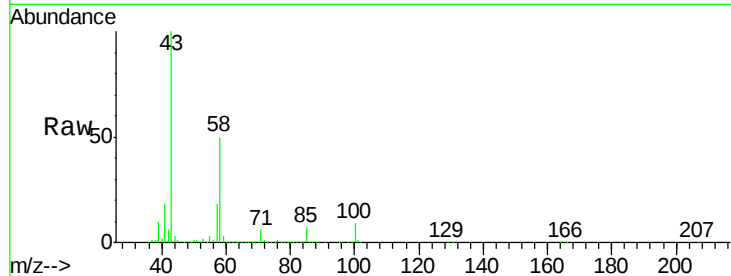
#59
2-Hexanone
Concen: 245.457 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 670945
Ion Ratio Lower Upper
43 100
58 50.0 25.1 75.2

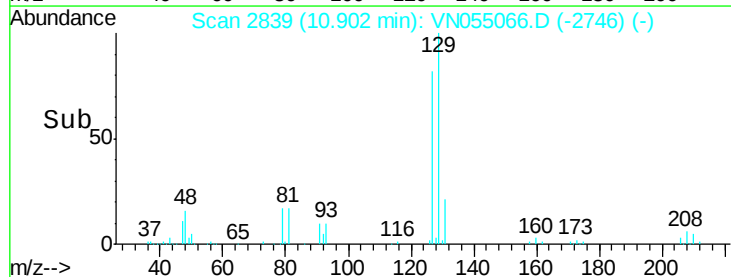
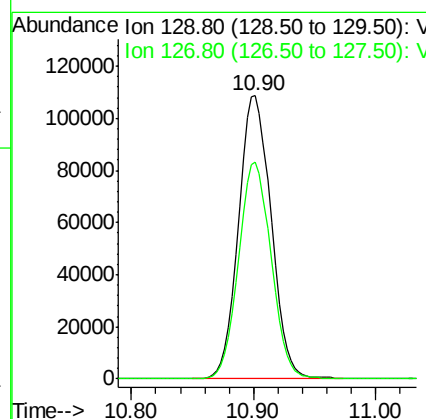
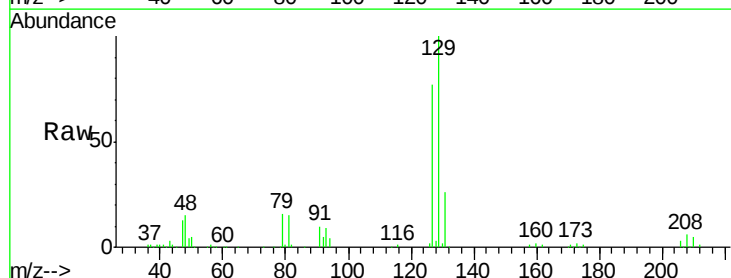
Manual Integrations
APPROVED

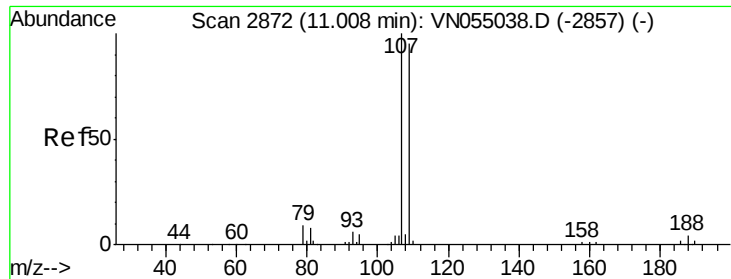
MMDadoda
4/17/2019 10:06:09 AM



#60
Dibromochloromethane
Concen: 51.643 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion: 129 Resp: 201396
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6





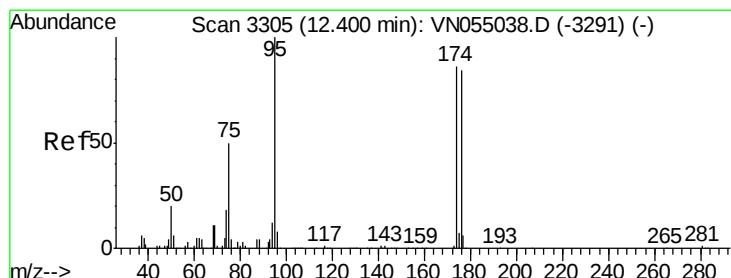
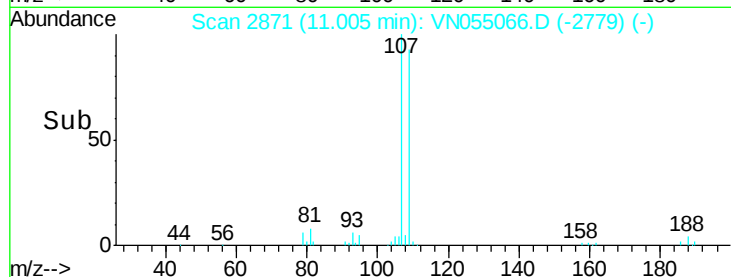
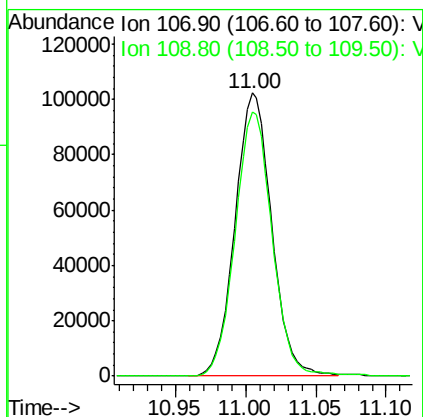
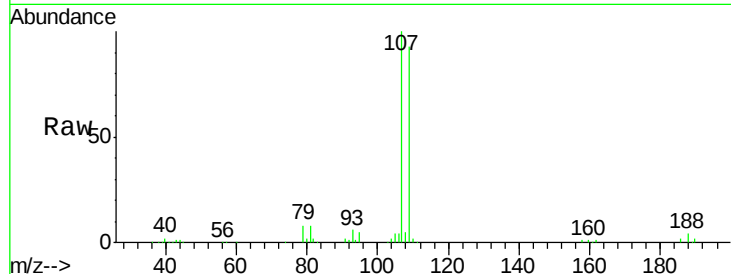
#61
 1,2-Dibromoethane
 Concen: 50.692 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 186336
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.5 114.7

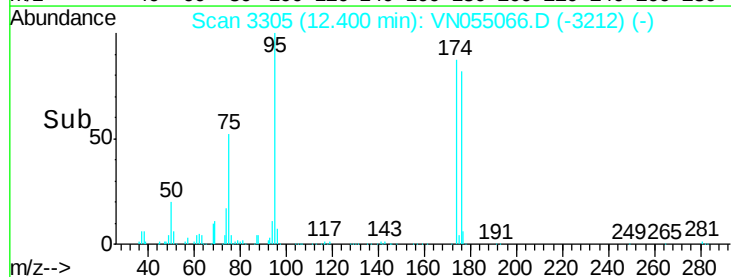
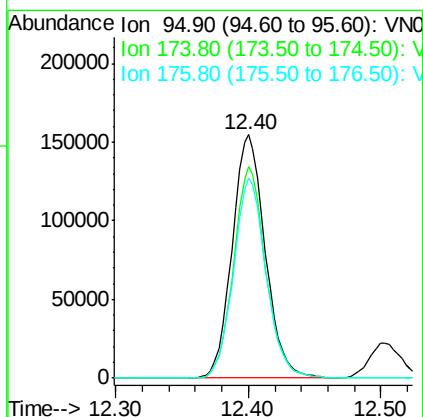
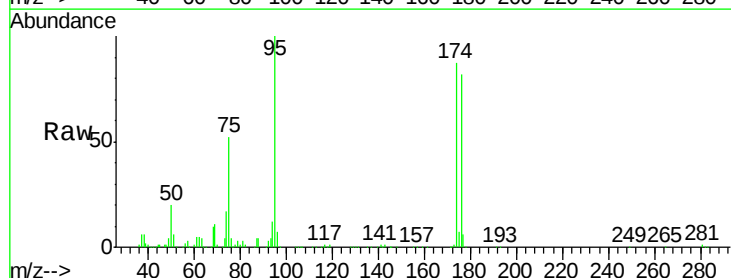
Manual Integrations
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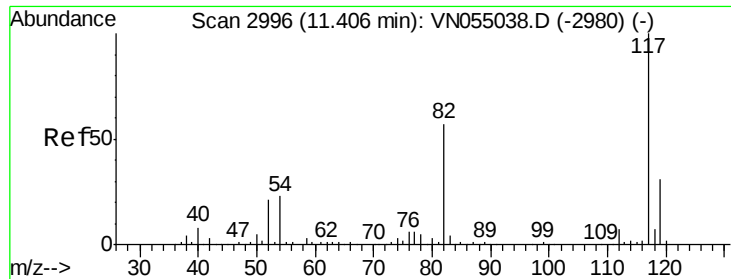
MMDadoda
 4/17/2019 10:06:09 AM



#62
 4-Bromofluorobenzene
 Concen: 53.859 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion: 95 Resp: 266789
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 174.4
 176 81.3 0.0 166.8





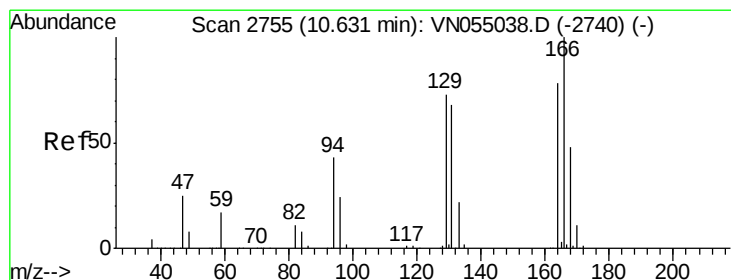
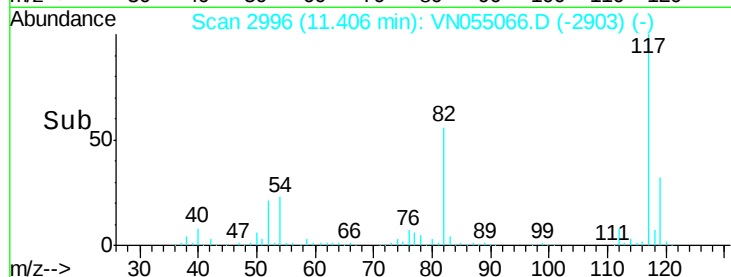
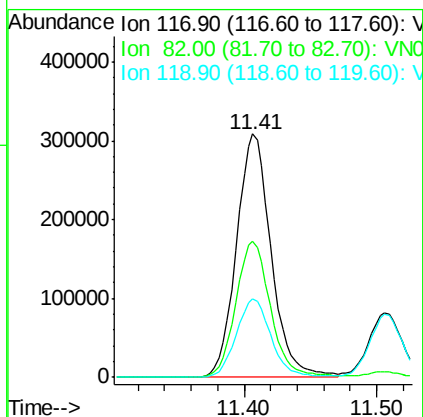
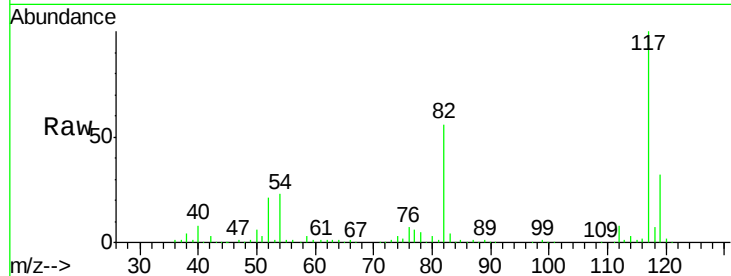
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	66.8
119	32.1	25.5	38.3

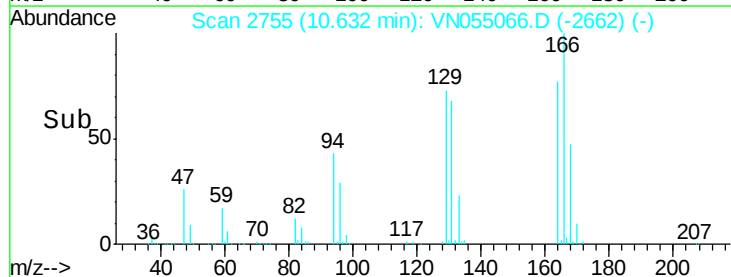
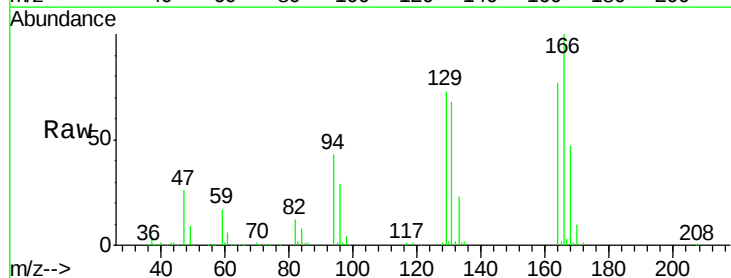
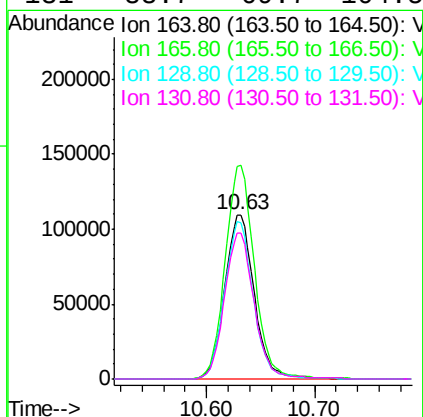
Manual Integrations
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#64
Tetrachloroethene
Concen: 45.723 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	100.0	150.0
129	94.6	72.0	108.0
131	88.7	69.7	104.5





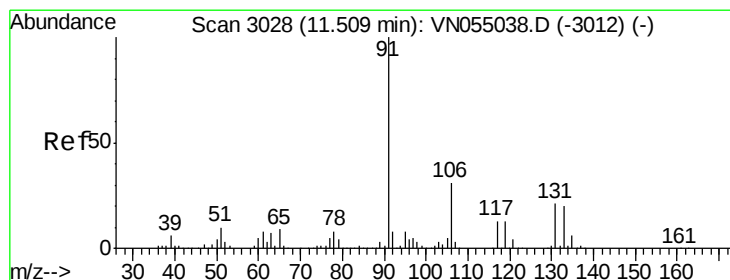
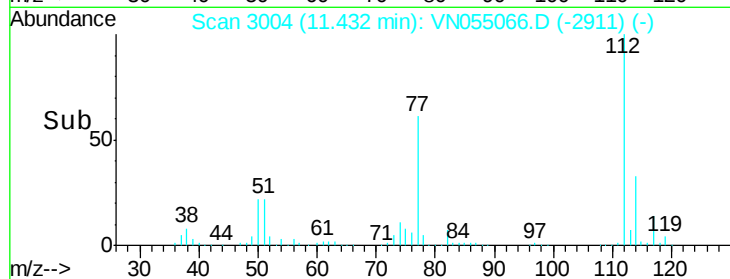
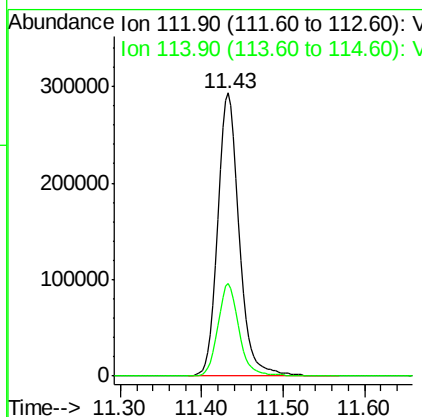
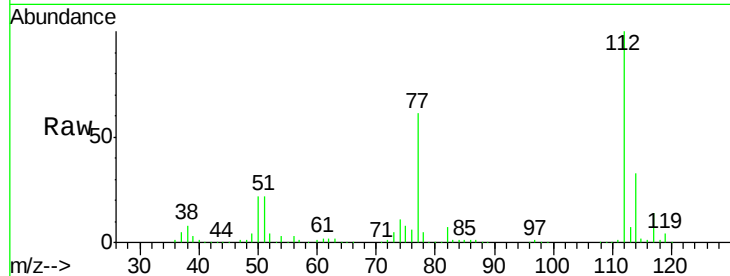
#65
Chlorobenzene
Concen: 48.478 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 547479
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

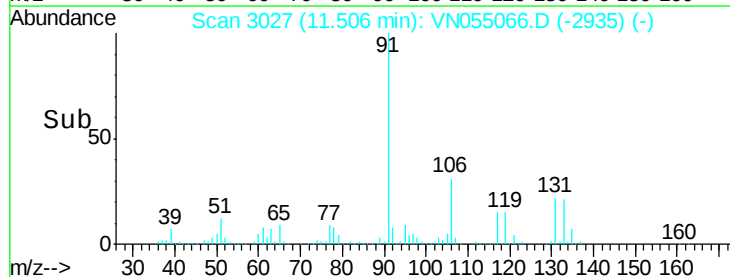
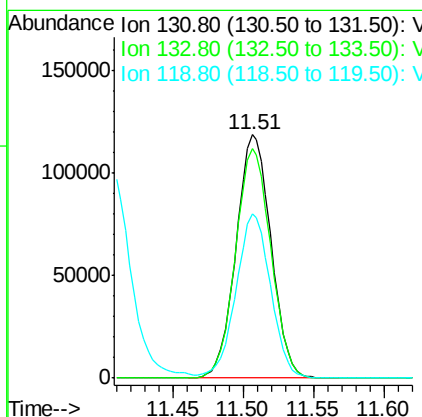
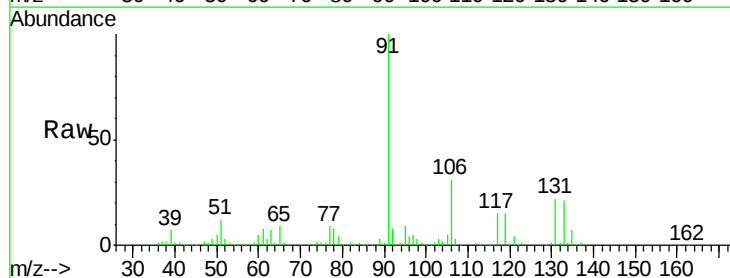
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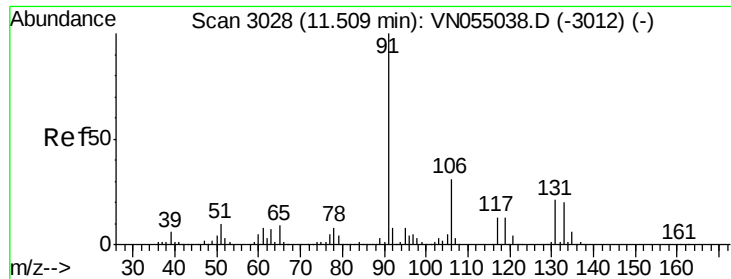
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.401 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion:131 Resp: 205193
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 67.1 33.6 100.6





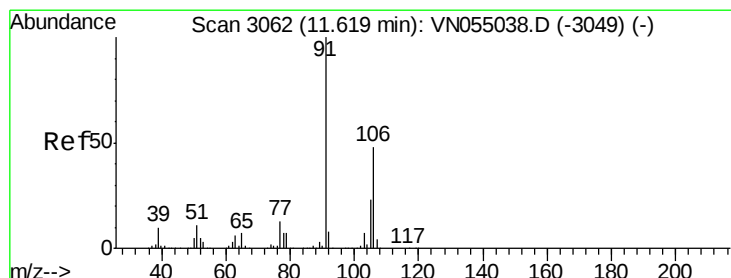
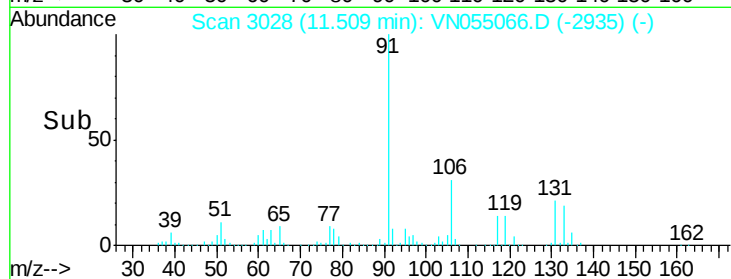
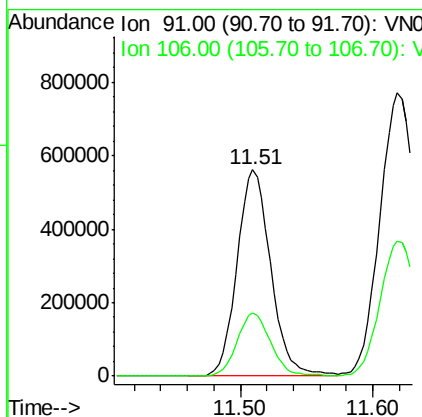
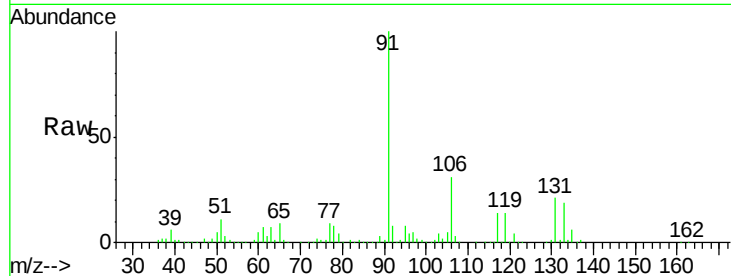
#67
Ethyl Benzene
Concen: 49.192 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 992092
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5

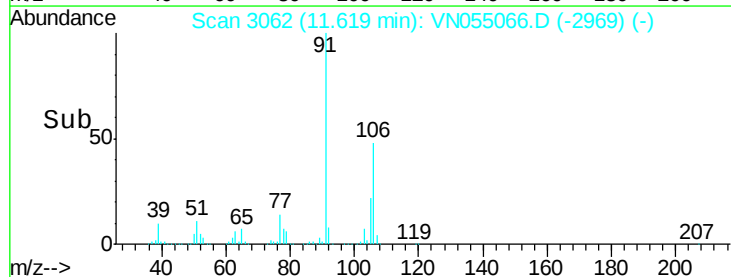
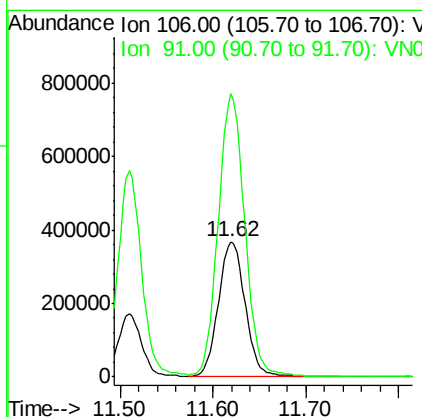
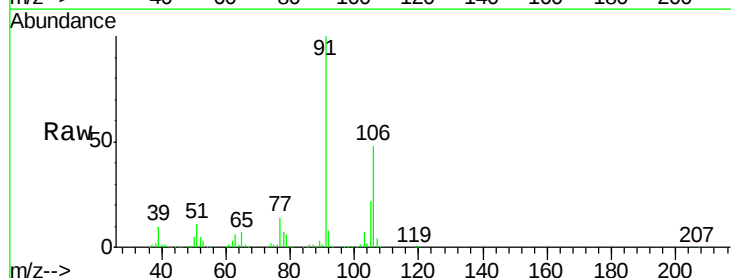
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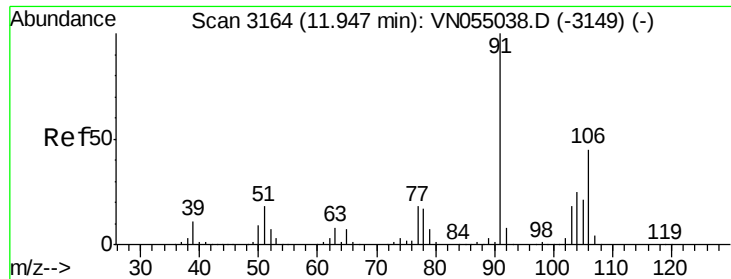
MMDadoda
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#68
m/p-Xylenes
Concen: 101.126 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion: 106 Resp: 738529
Ion Ratio Lower Upper
106 100
91 208.0 165.9 248.9





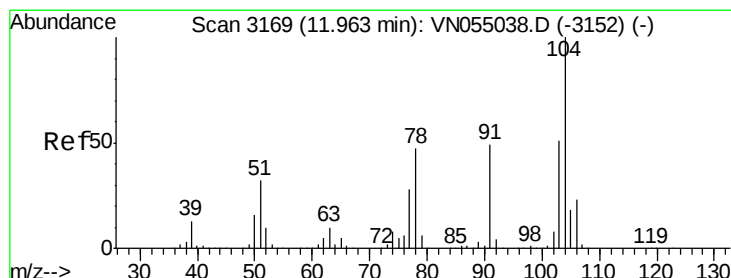
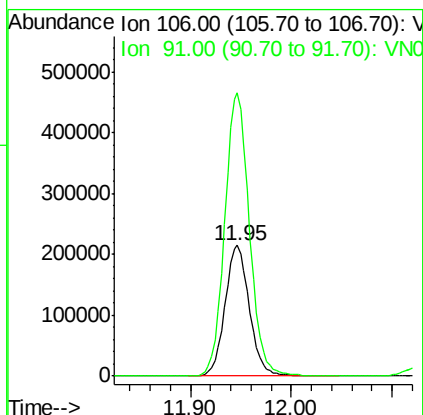
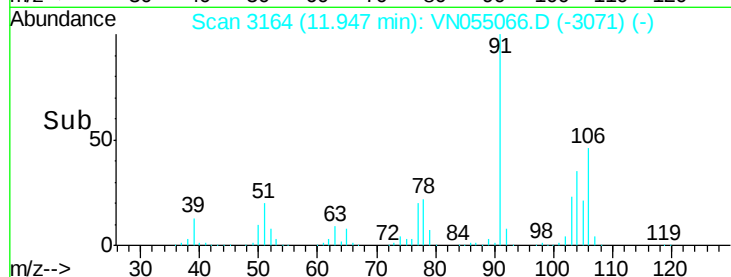
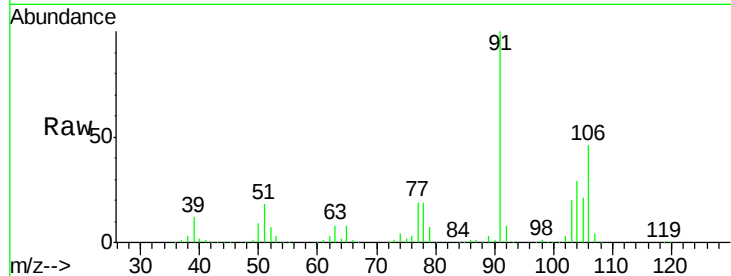
#69
o-Xylene
Concen: 51.337 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 363127
Ion Ratio Lower Upper
106 100
91 219.2 109.9 329.8

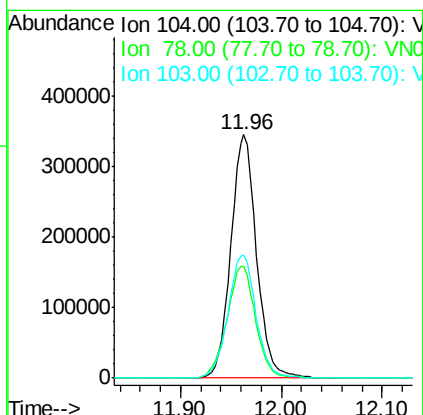
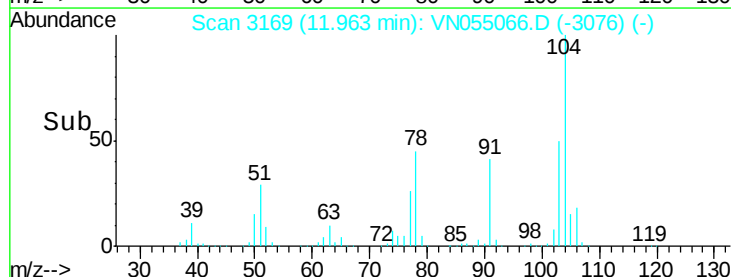
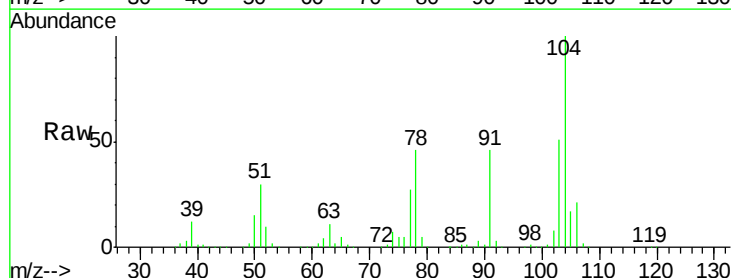
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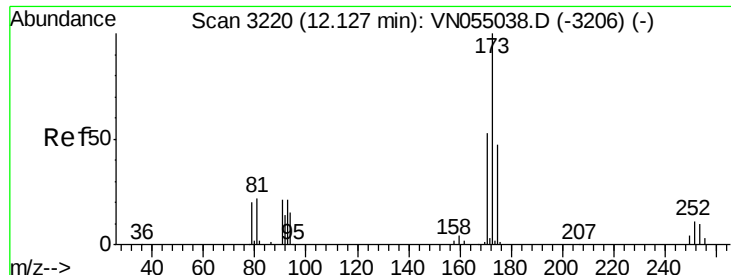
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#70
Styrene
Concen: 53.718 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion:104 Resp: 615061
Ion Ratio Lower Upper
104 100
78 51.1 40.3 60.5
103 55.4 44.3 66.5





#71

Bromoform

Concen: 52.963 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 126094

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

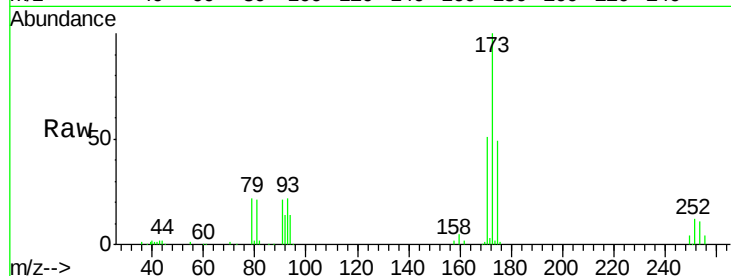
254 0.0 0.1 0.1#

Manual Integrations

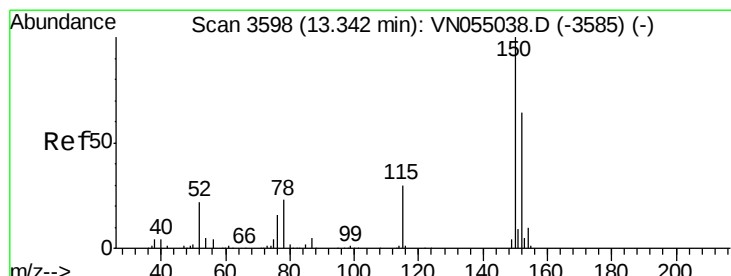
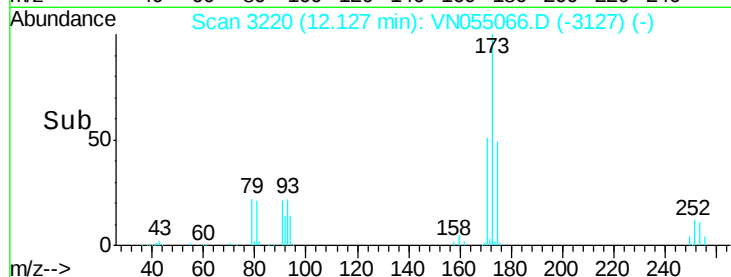
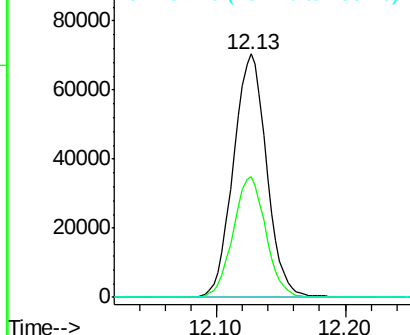
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

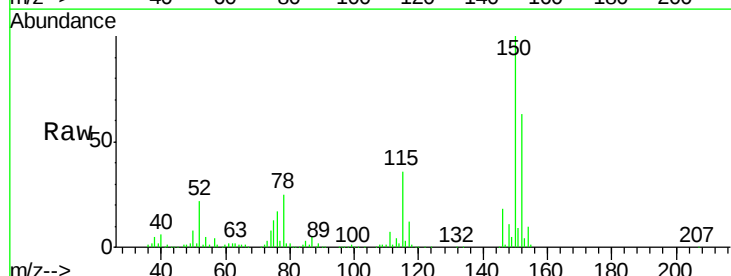
Tgt Ion:152 Resp: 249772

Ion Ratio Lower Upper

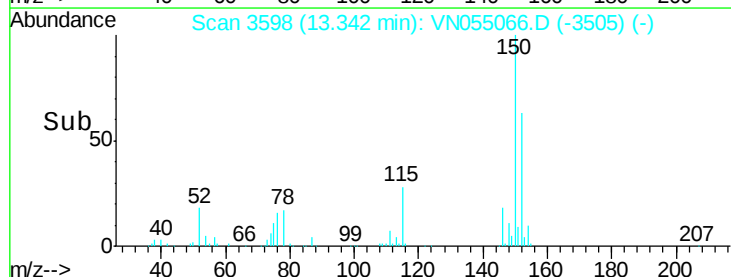
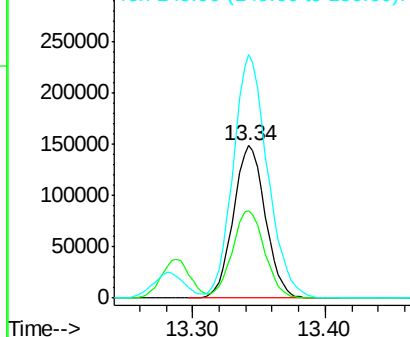
152 100

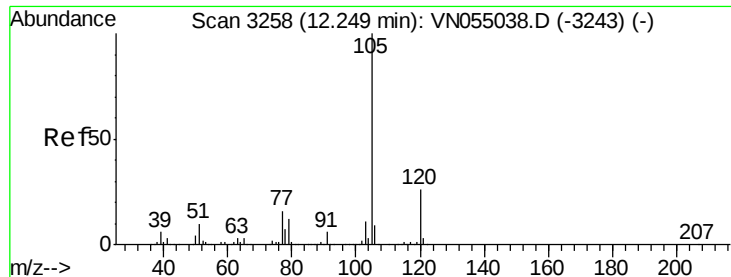
115 57.6 28.5 85.6

150 171.6 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.707 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 946551

Ion Ratio Lower Upper

105 100

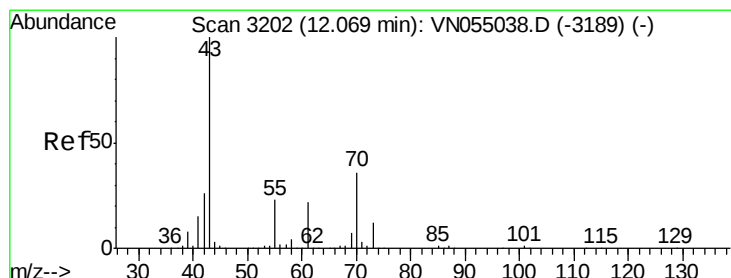
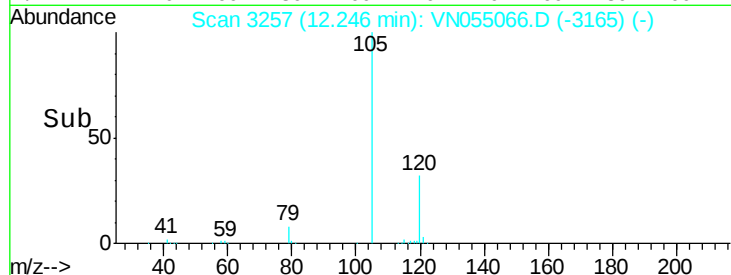
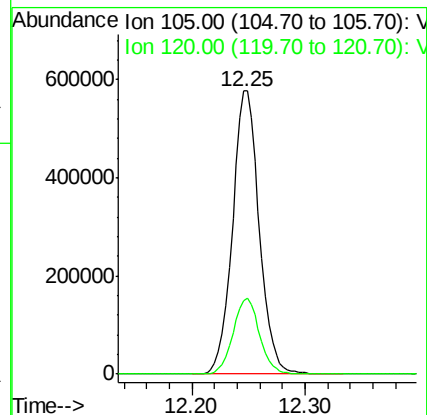
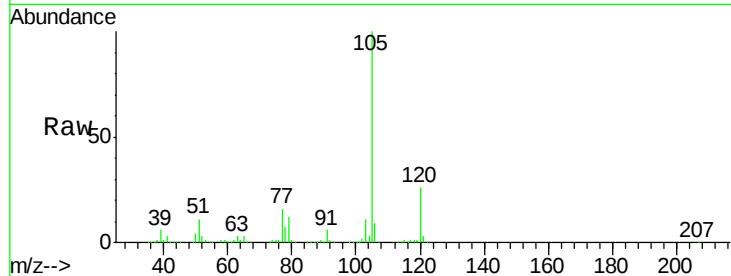
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.444 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion: 43 Resp: 308493

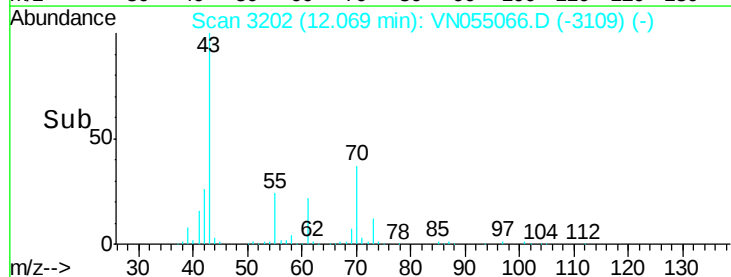
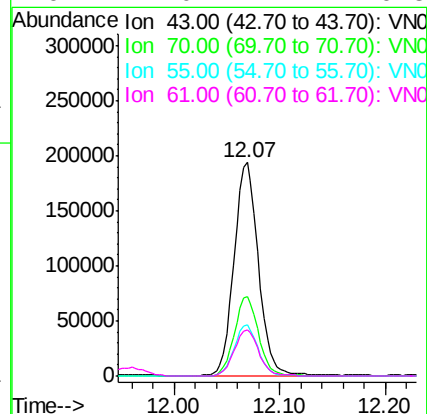
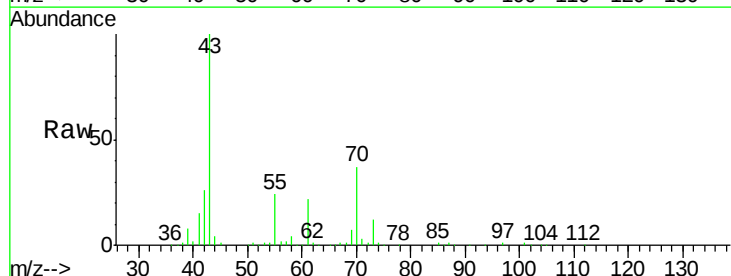
Ion Ratio Lower Upper

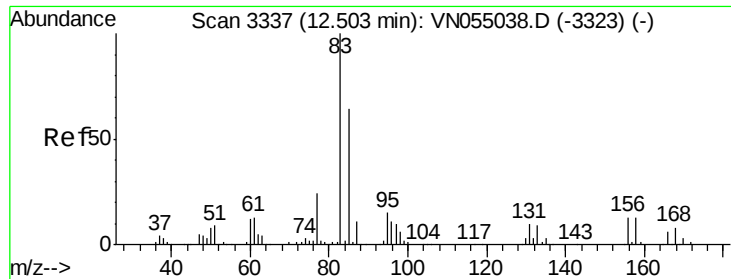
43 100

70 37.1 29.4 44.0

55 23.7 19.0 28.4

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 41.209 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

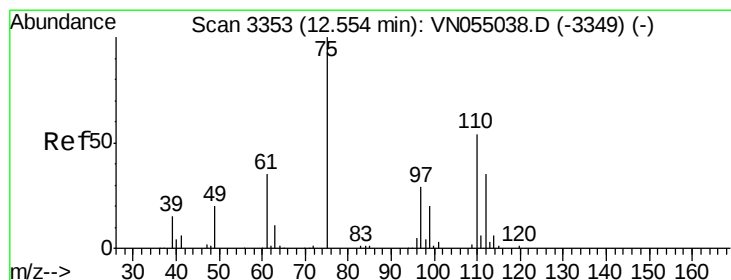
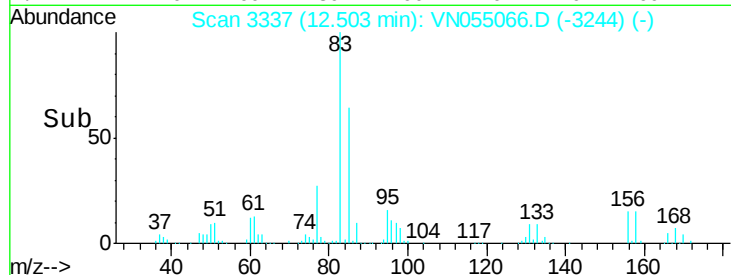
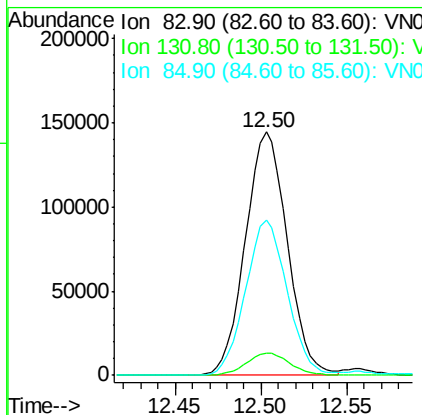
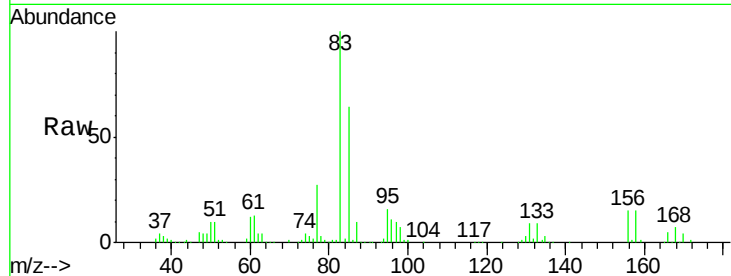
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	244395
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	63.3	32.3	96.9

Manual Integrations
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4/17/2019 10:06:09 AM



#76

1,2,3-Trichloropropane

Concen: 43.921 ug/l m

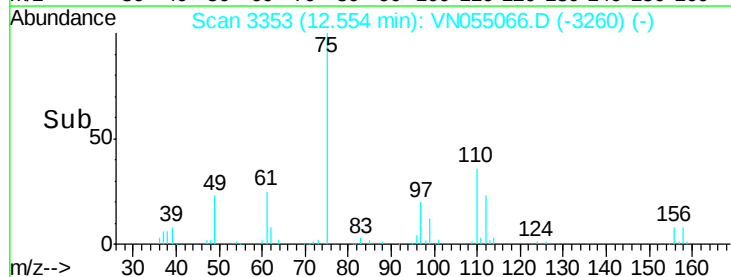
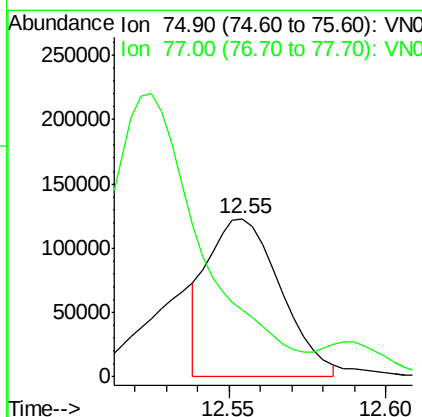
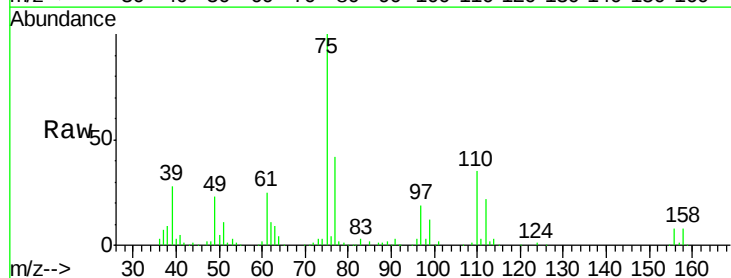
RT: 12.55 min Scan# 3353

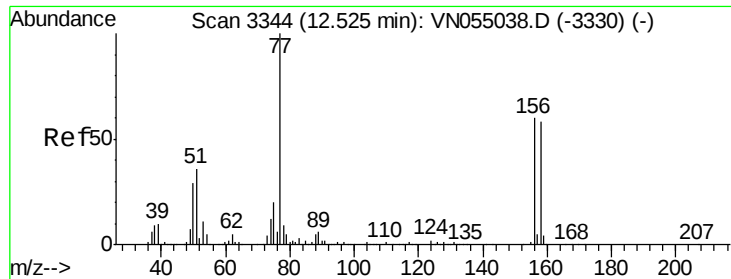
Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion:	75	Resp:	197273
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.668 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

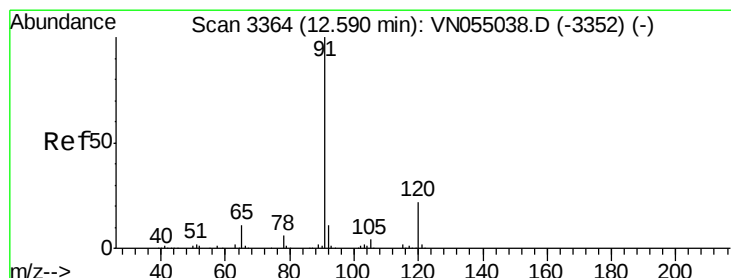
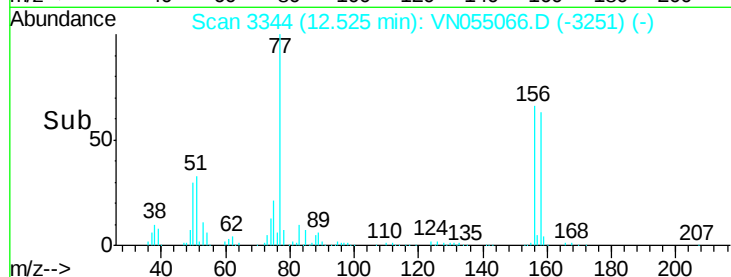
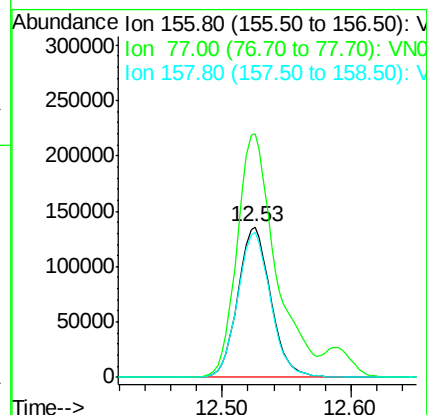
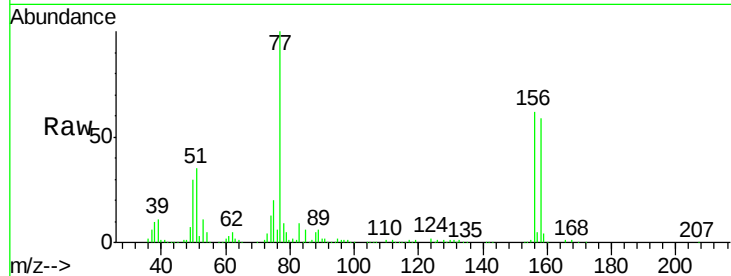
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	241291
Ion Ratio	Lower	Upper	
156	100		
77	189.5	97.2	291.5
158	96.7	48.6	145.9

Manual Integrations
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4/17/2019 10:06:09 AM



#78

n-propylbenzene

Concen: 44.402 ug/l

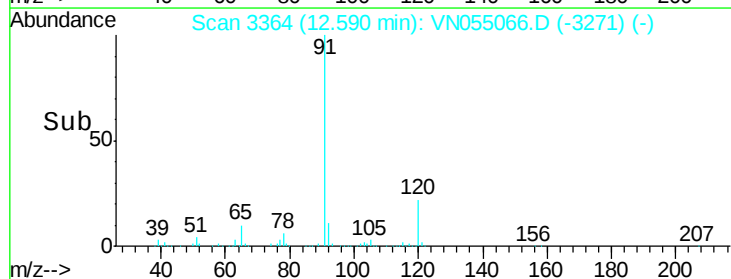
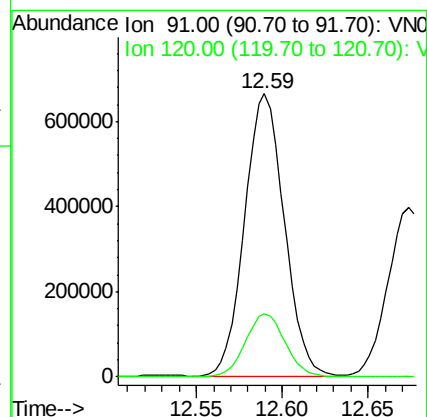
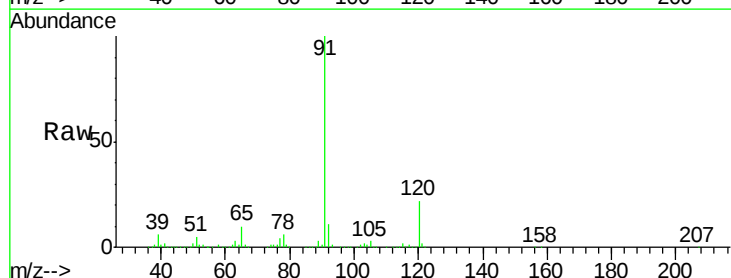
RT: 12.59 min Scan# 3364

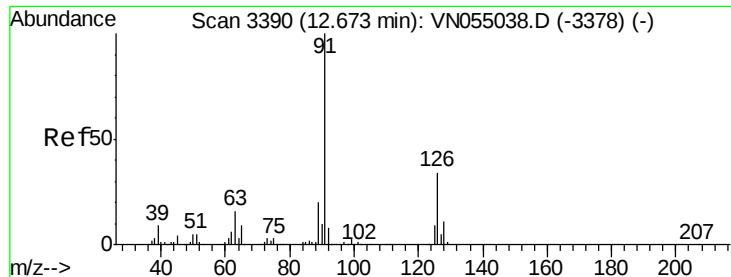
Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Tgt Ion:	91	Resp:	1063285
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 44.188 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 660009

Ion Ratio Lower Upper

91 100

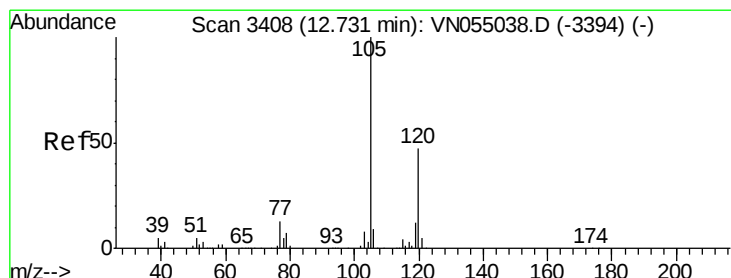
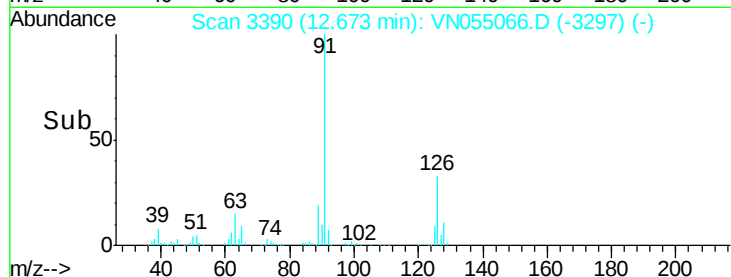
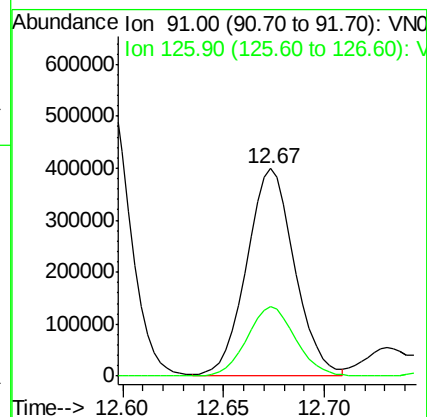
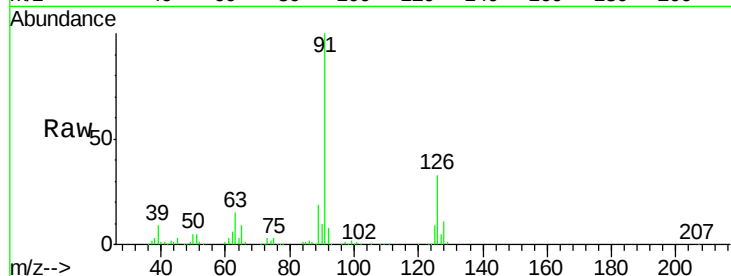
126 34.2 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.322 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055066.D

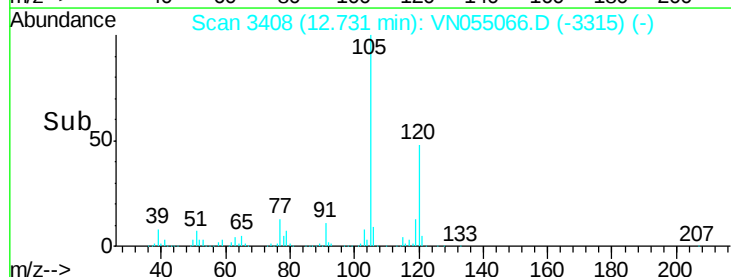
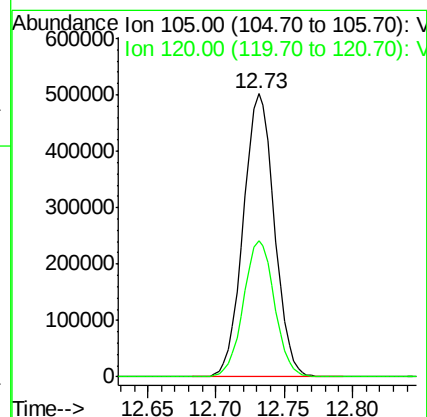
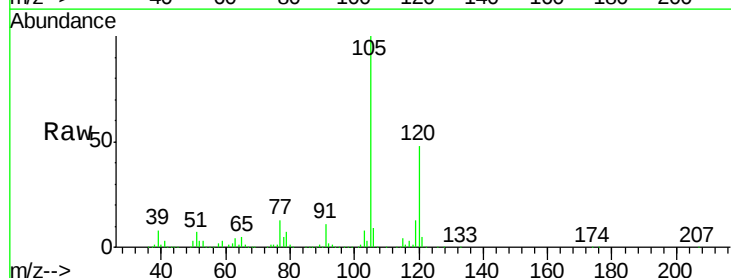
Acq: 16 Apr 2019 1:44

Tgt Ion: 105 Resp: 792760

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





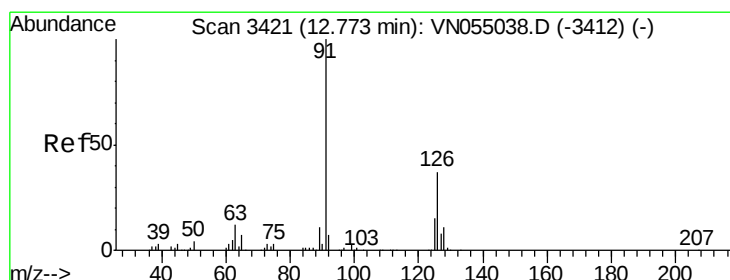
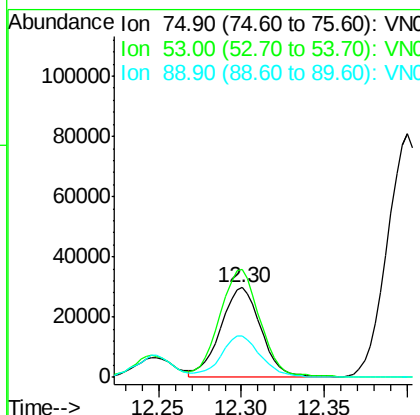
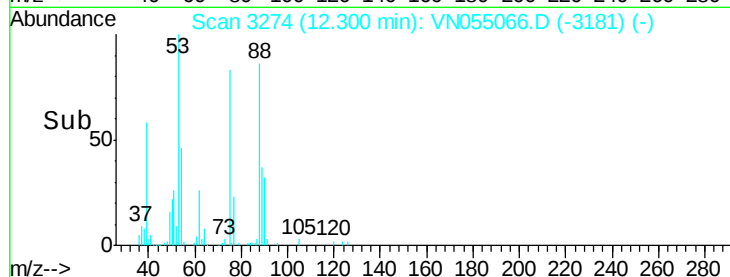
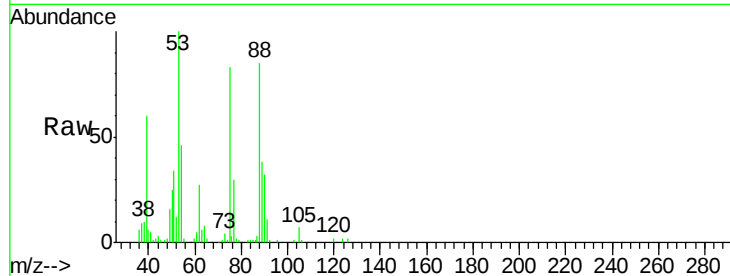
#81
trans-1,4-Dichloro-2-butene
Concen: 44.141 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.5	96.3	144.5
89	46.5	38.6	57.8

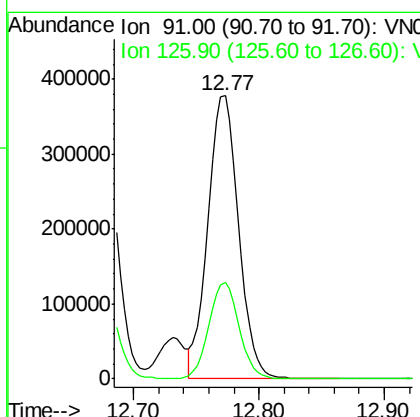
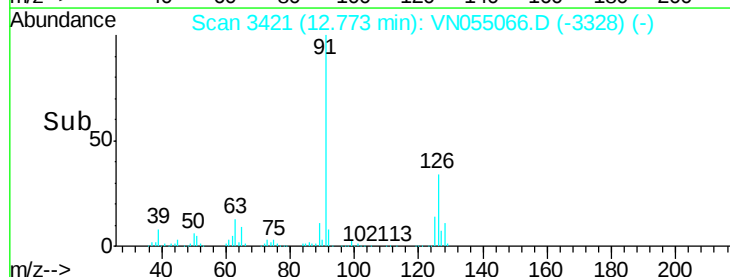
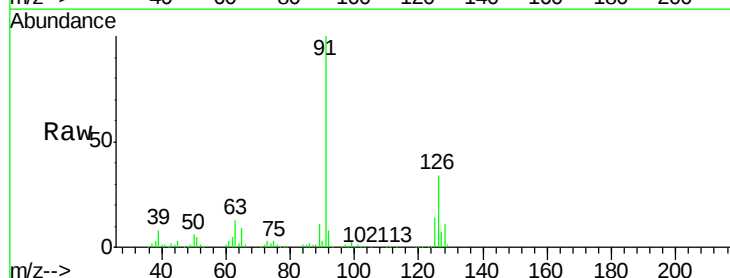
Manual Integrations
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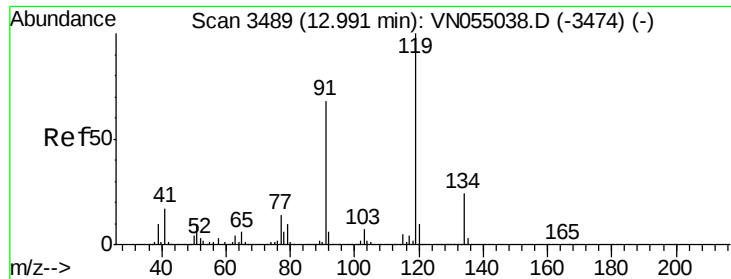
MMDadoda
4/17/2019 10:06:09 AM



#82
4-Chlorotoluene
Concen: 46.100 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.2





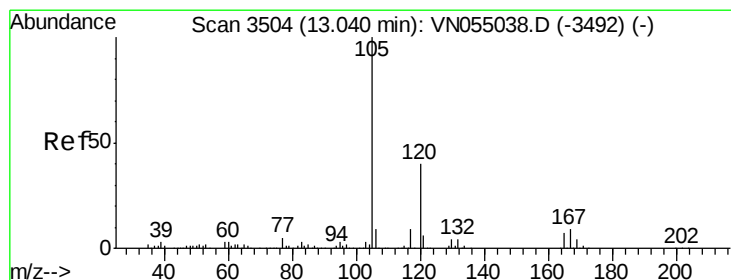
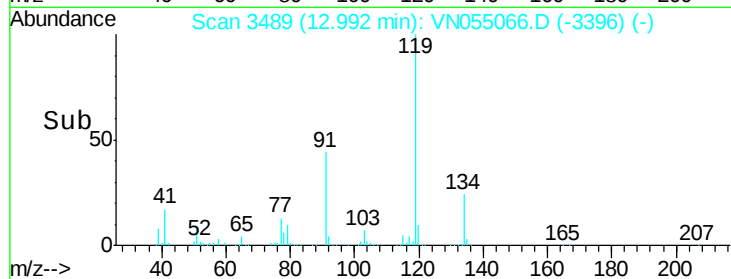
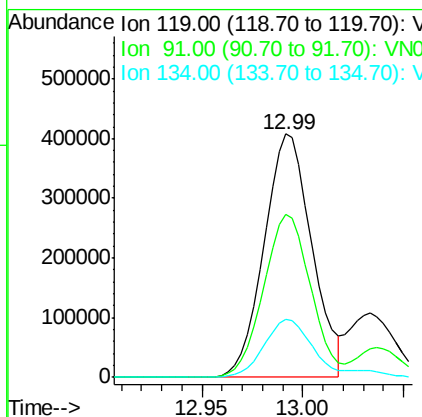
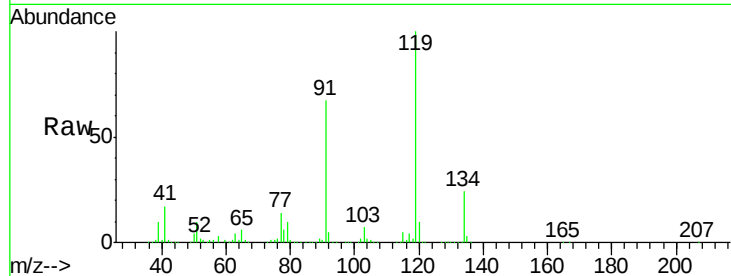
#83
 tert-Butylbenzene
 Concen: 44.363 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.3	99.8
134	24.2	12.3	36.9

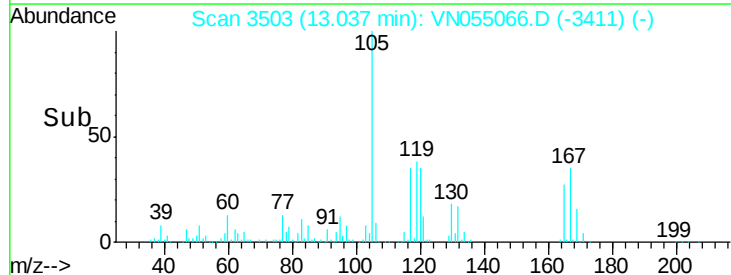
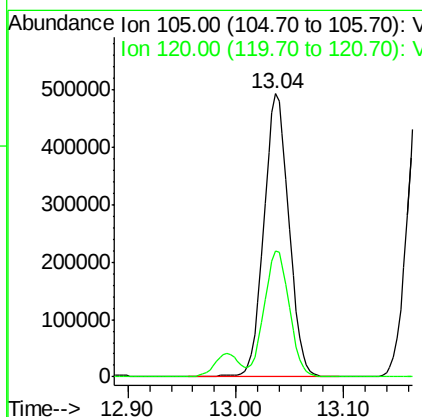
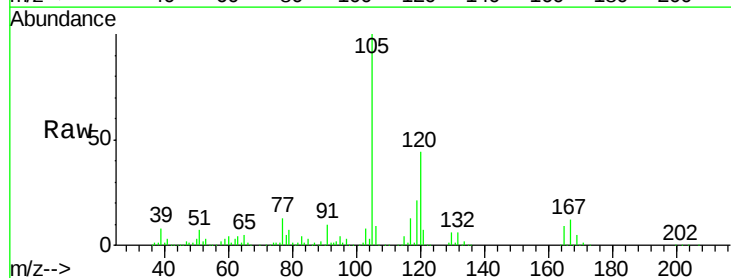
Manual Integrations
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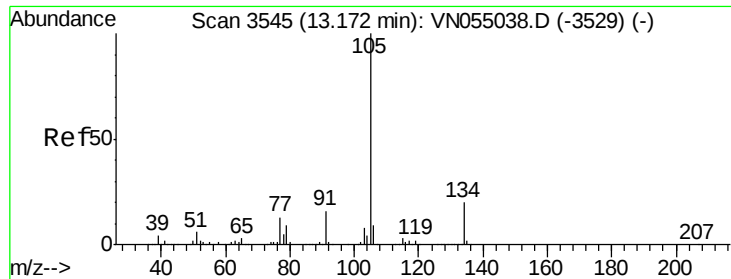
MMDadoda
 4/17/2019 10:06:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.710 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 44.519 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 856884

Ion Ratio Lower Upper

105 100

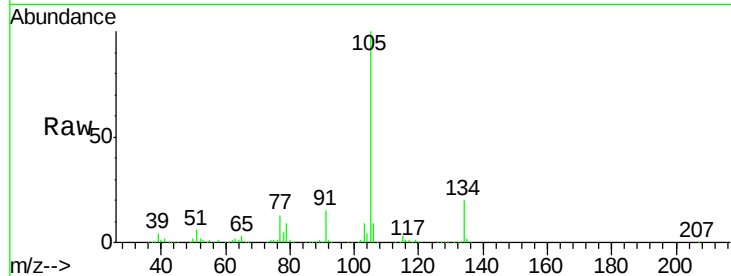
134 19.6 9.8 29.3

Manual Integrations

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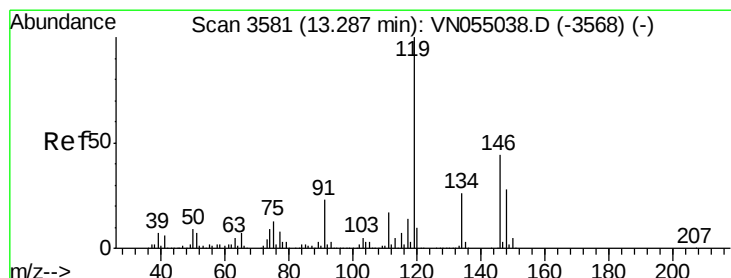
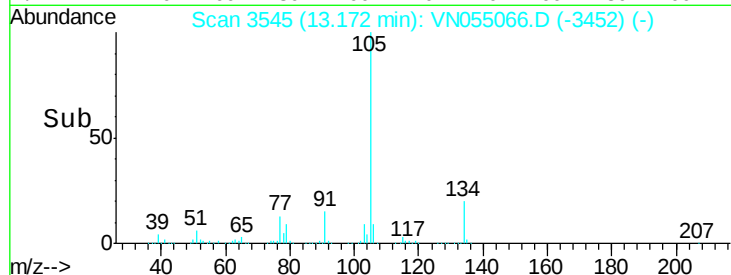
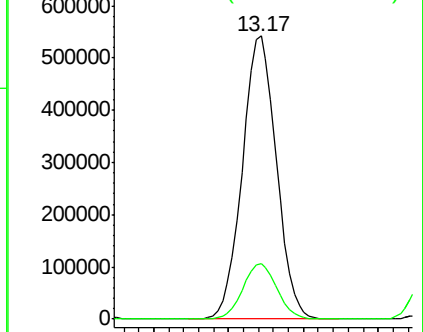
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.997 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055066.D

Acq: 16 Apr 2019 1:44

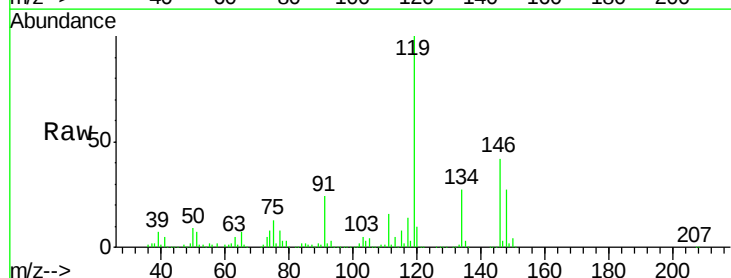
Tgt Ion:119 Resp: 759555

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

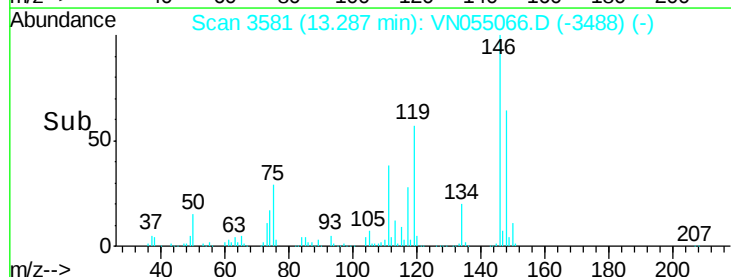
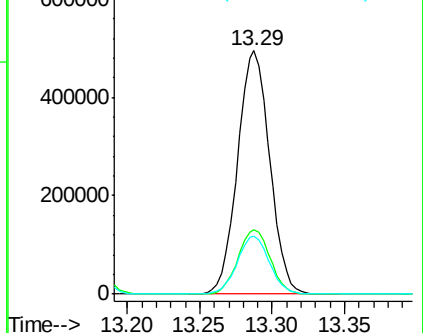
91 23.9 11.7 35.1

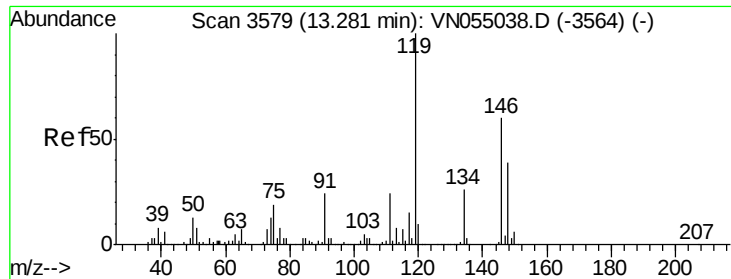


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





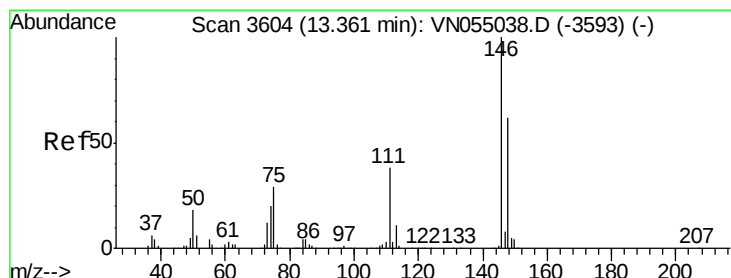
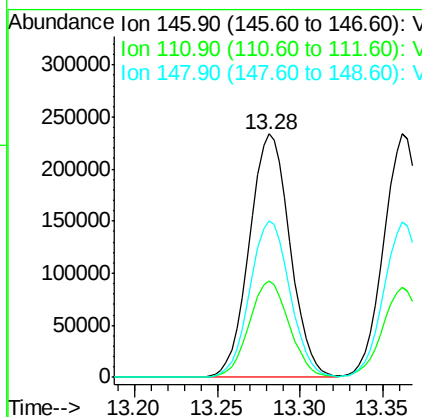
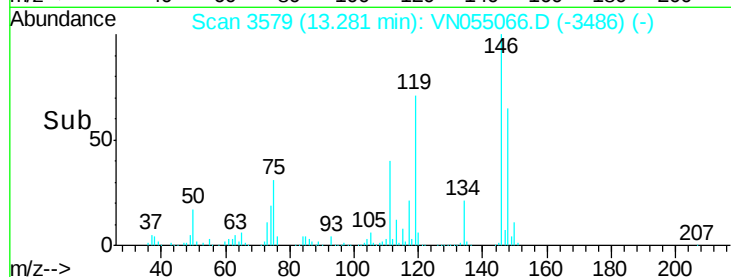
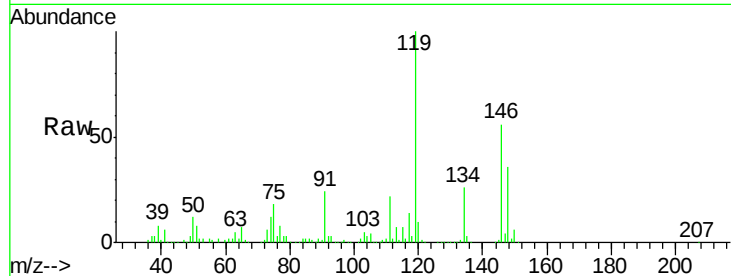
#87
 1,3-Dichlorobenzene
 Concen: 47.526 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	399162		
111	39.1	19.5	58.5	
148	63.6	31.6	94.7	

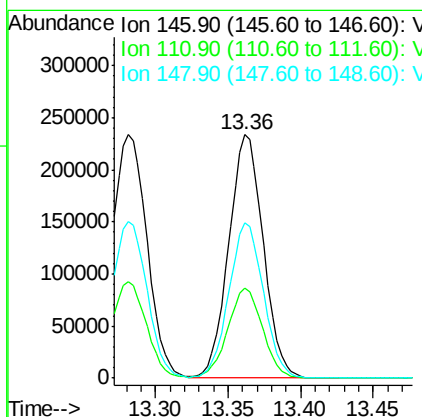
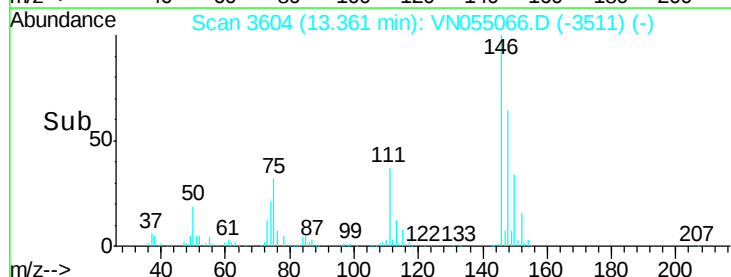
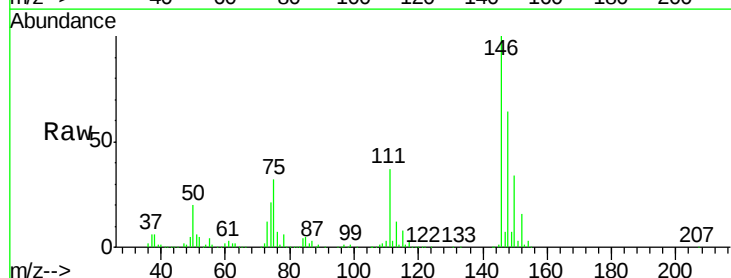
Manual Integrations
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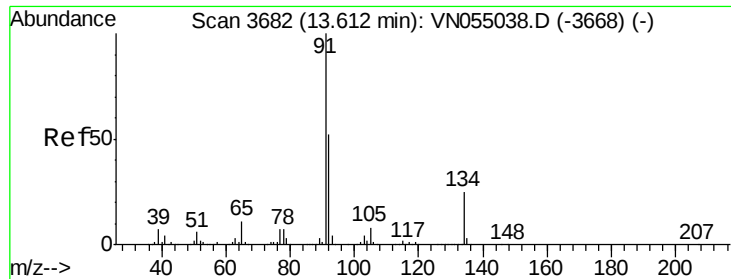
MMDadoda
 4/17/2019 10:06:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.022 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	384609		
111	37.3	18.8	56.4	
148	64.0	32.4	97.2	





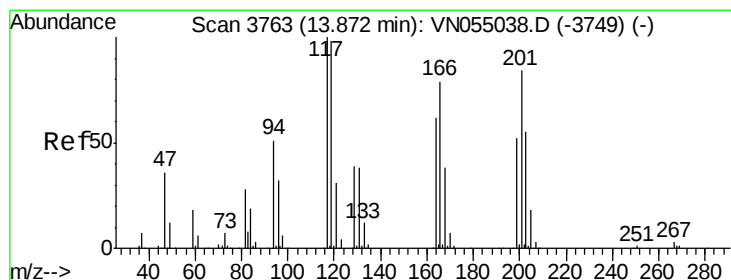
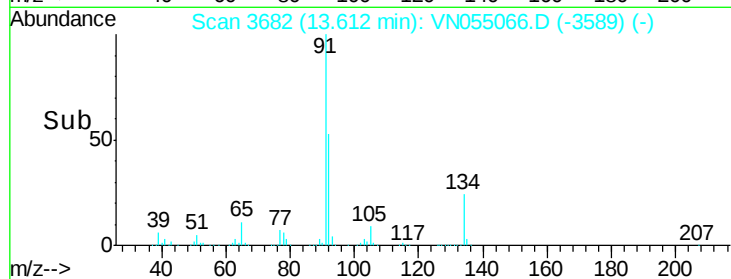
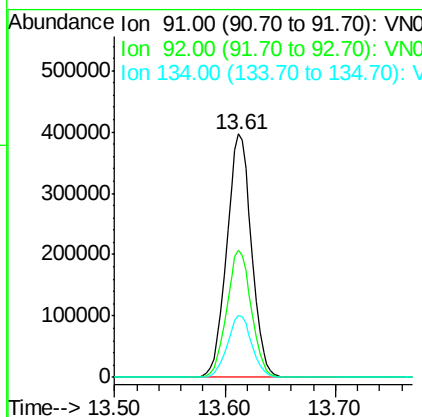
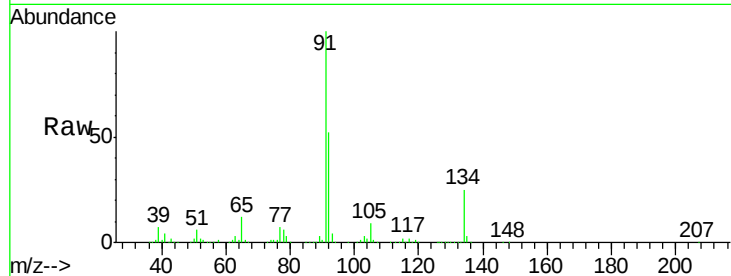
#89
n-Butylbenzene
Concen: 50.061 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	25.1	12.8	38.3

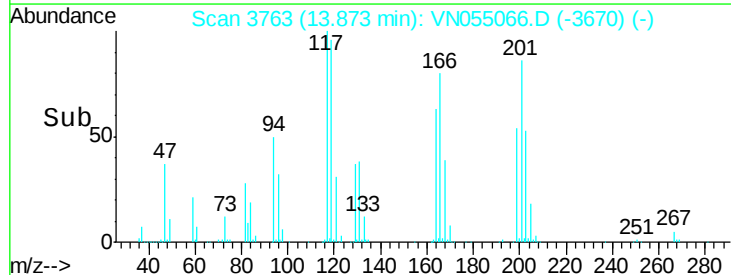
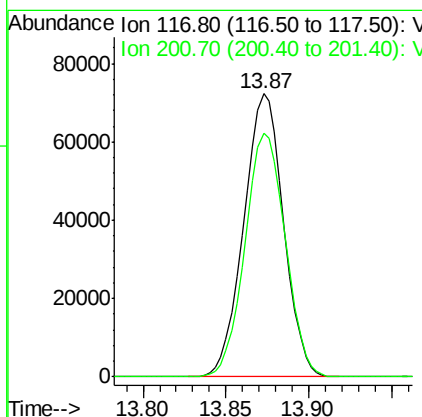
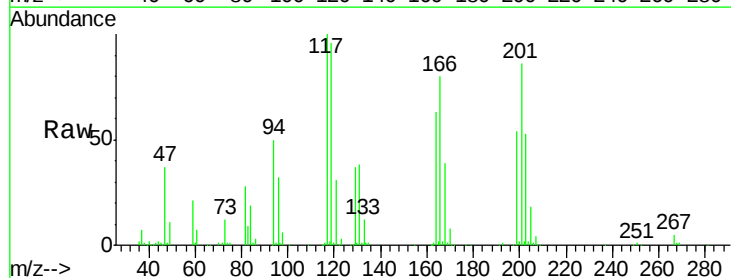
Manual Integrations
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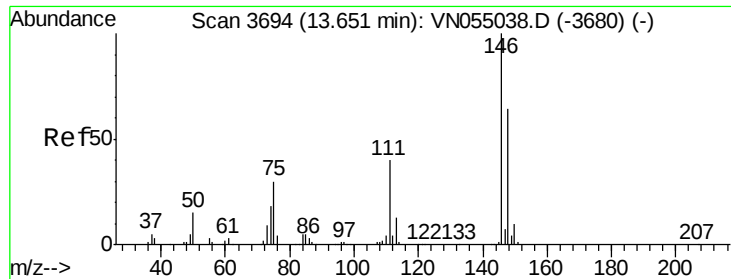
MMDadoda
4/17/2019 10:06:09 AM



#90
Hexachloroethane
Concen: 44.908 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.4	130.2





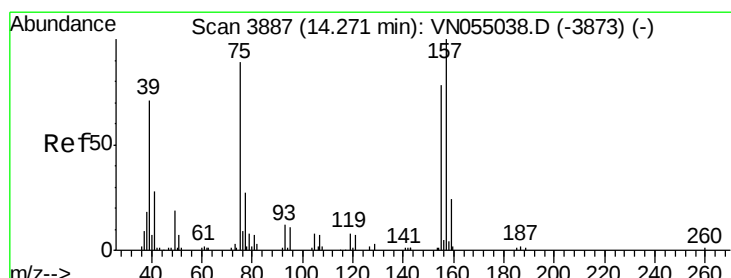
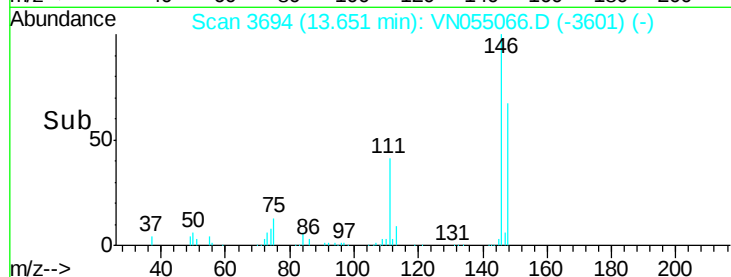
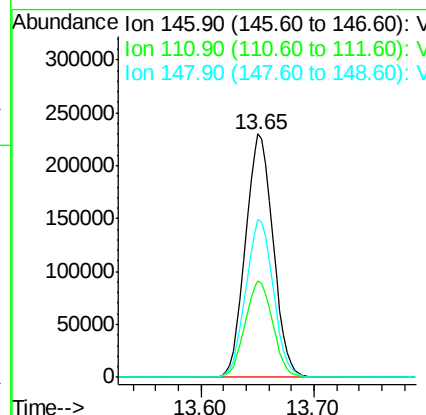
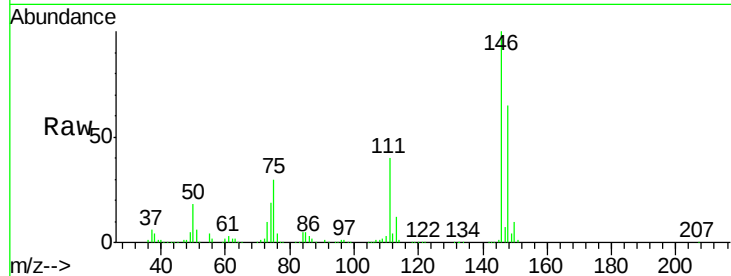
#91
 1,2-Dichlorobenzene
 Concen: 46.338 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.9
148	64.6	32.2	96.6

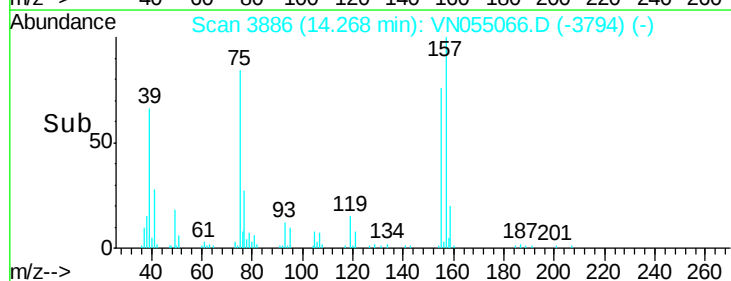
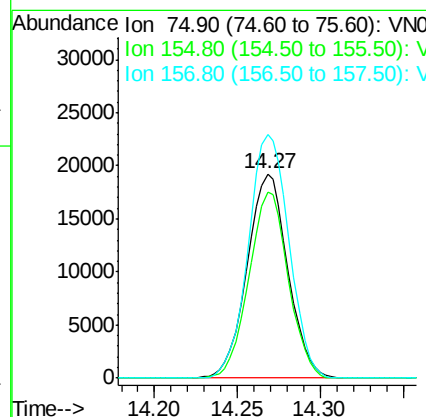
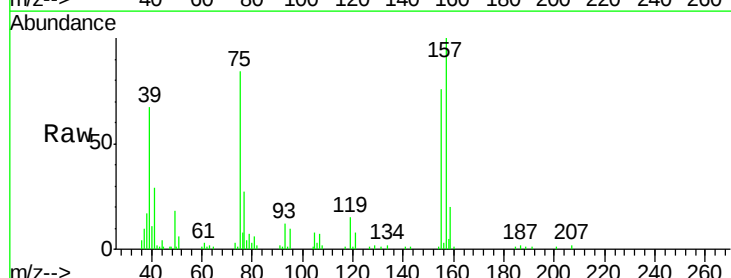
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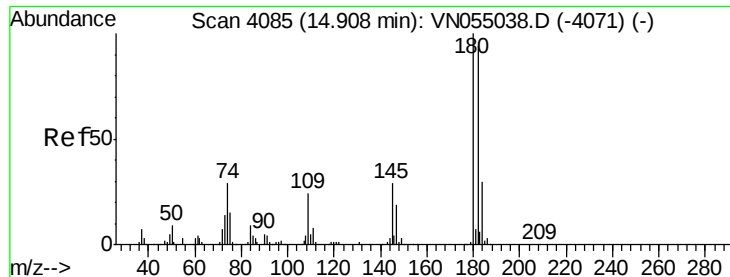
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.822 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	42.0	126.0
157	119.2	52.1	156.4





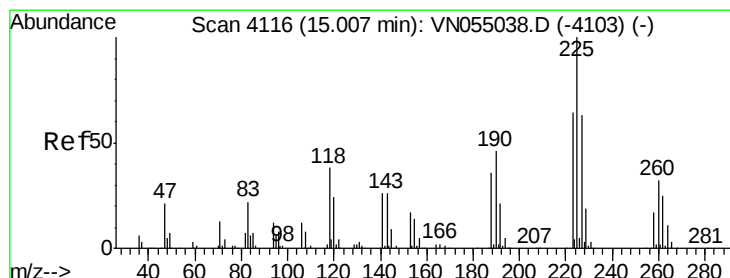
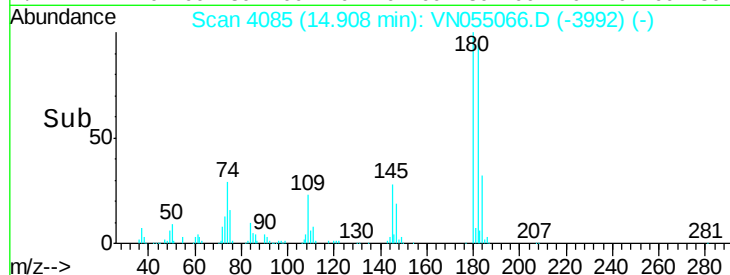
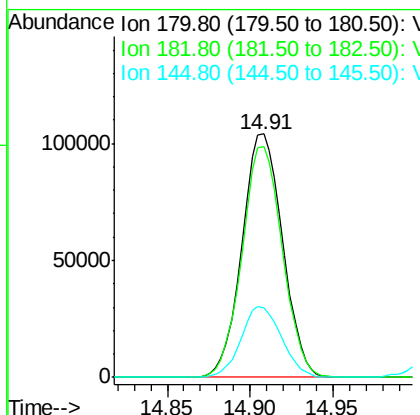
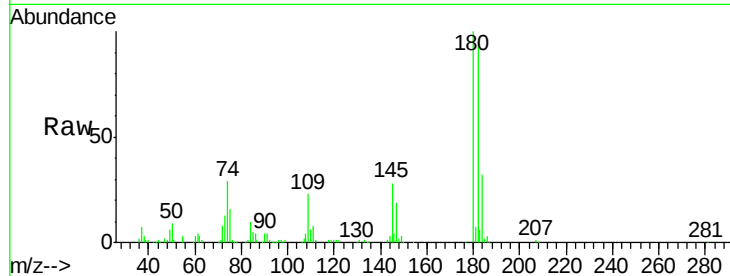
#93
 1,2,4-Trichlorobenzene
 Concen: 46.389 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176915		
182	94.5	47.5	142.6	
145	29.1	14.2	42.8	

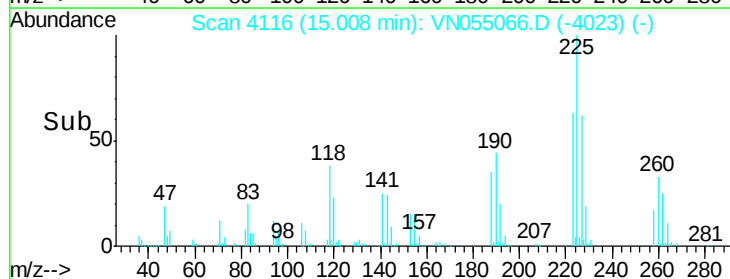
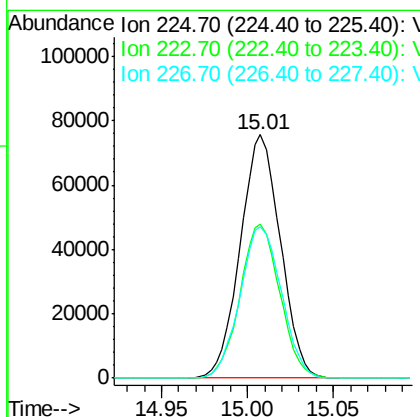
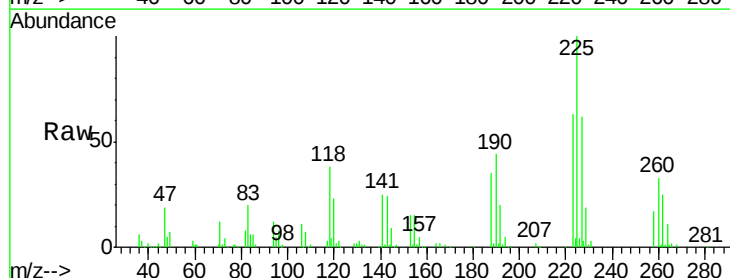
Manual Integrations
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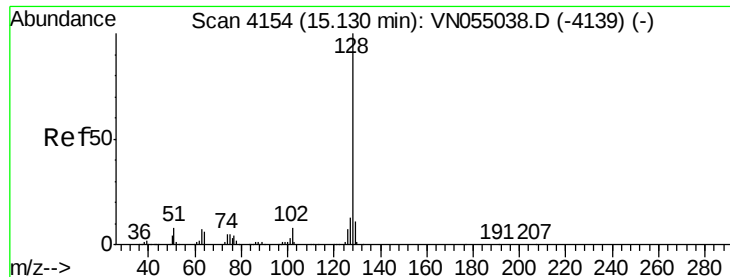
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 4/17/2019 10:06:09 AM



#94
 Hexachlorobutadiene
 Concen: 46.909 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055066.D
 Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122435		
223	62.8	31.4	94.0	
227	64.3	32.6	97.7	





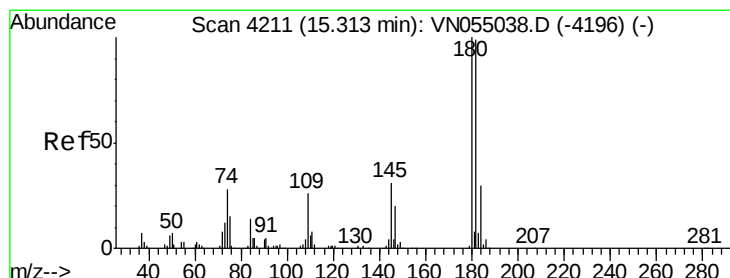
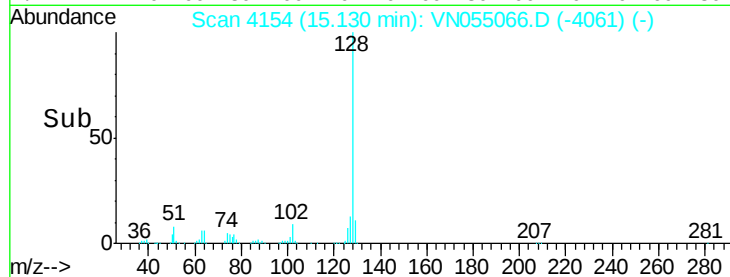
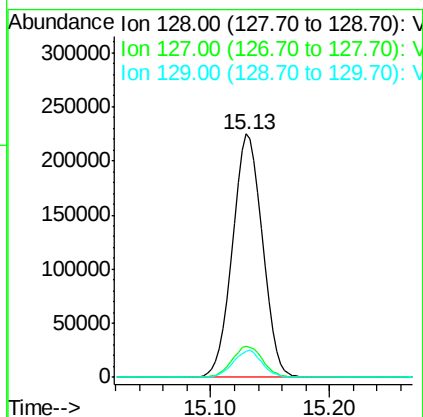
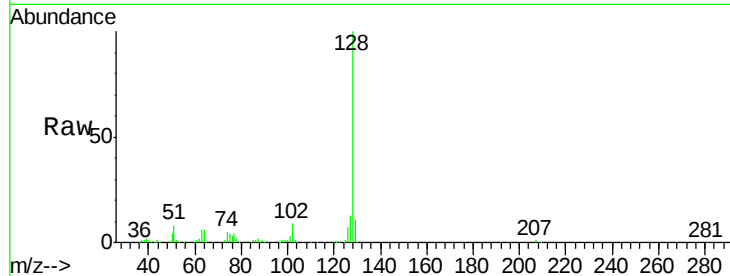
#95
Naphthalene
Concen: 44.178 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.881 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055066.D
Acq: 16 Apr 2019 1:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.0
145	30.9	15.3	45.9

